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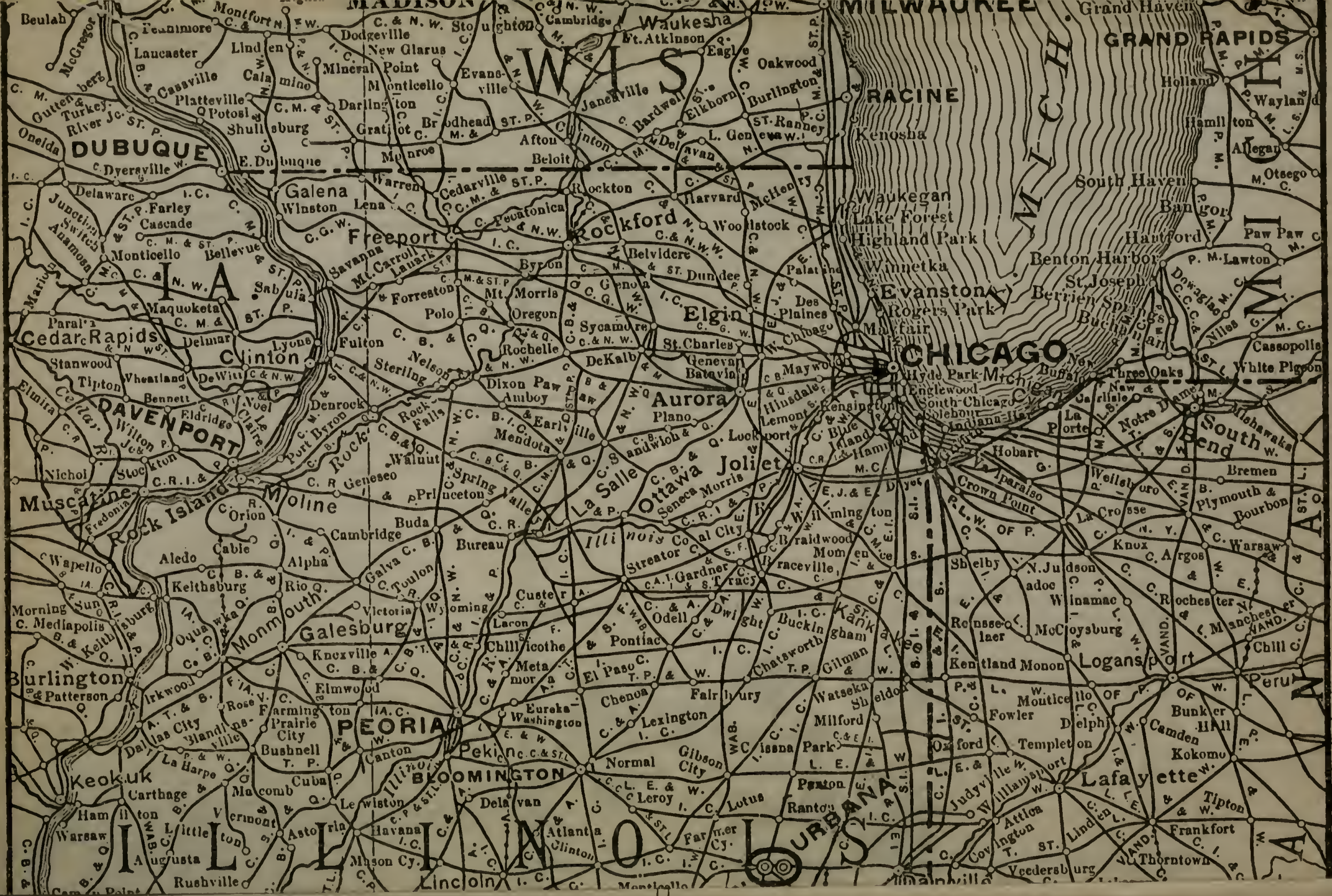
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BLOOMINGTON
Normal
URBANA
La Salle
Ottawa
Streator
Kankakee
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Lafayette
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Kokomo
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South Bend
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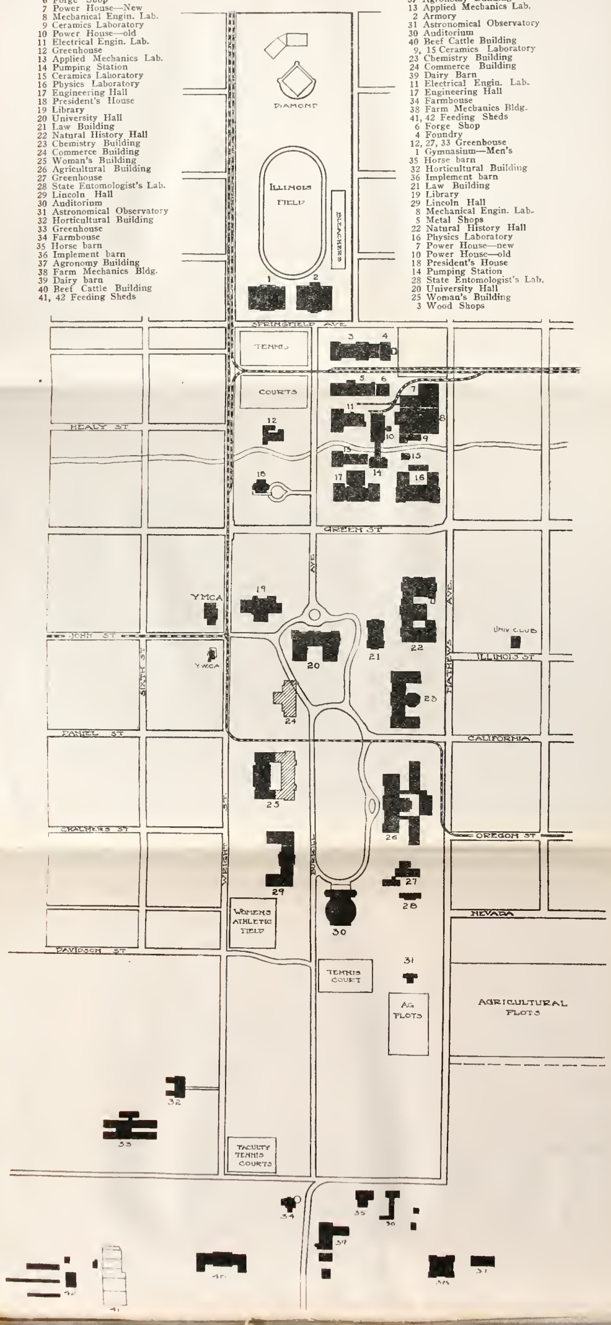
La Porte
Michigan City
Benton Harbor
St. Joseph
South Haven
GRAND RAPIDS
Grand Haven
Holland
Allegan
Paw Paw
Dowagiac
Cassopolis
White Pigeon
Beloit
Janesville
Waukesha
Ft. Atkinson
Burlington
Elkhorn
Delavan
Monroe
Madison
McGregor
Lancaster
Platteville
Sterling
Dixon
Rochelle
DeKalb
Sycamore
St. Charles
Geneva
Batavia
Mendota
Princeton
Kewanee
Canton
Lincoln
Macomb
Champaign
Ramsey

KEY—Numerical

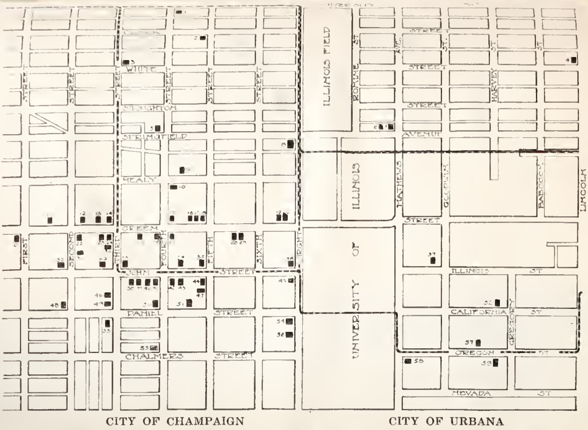
1 Gymnasium—Men's
2 Armory
3 Wood Shops
4 Foundry
5 Metal Shops
6 Forge Shop
7 Power House—New
8 Mechanical Engin. Lab.
9 Ceramics Laboratory
10 Power House—old
11 Electrical Engin. Lab.
12 Greenhouse
13 Applied Mechanics Lab.
14 Pumping Station
15 Ceramics Laboratory
16 Physics Laboratory
17 Engineering Hall
18 President's House
19 Library
20 University Hall
21 Law Building
22 Natural History Hall
23 Chemistry Building
24 Commerce Building
25 Woman's Building
26 Agricultural Building
27 Greenhouse
28 State Entomologist's Lab.
29 Lincoln Hall
30 Auditorium
31 Astronomical Observatory
32 Horticultural Building
33 Greenhouse
34 Farmhouse
35 Horse barn
36 Implement barn
37 Agronomy Building
38 Farm Mechanics Bldg.
39 Dairy barn
40 Beef Cattle Building
41, 42 Feeding Sheds

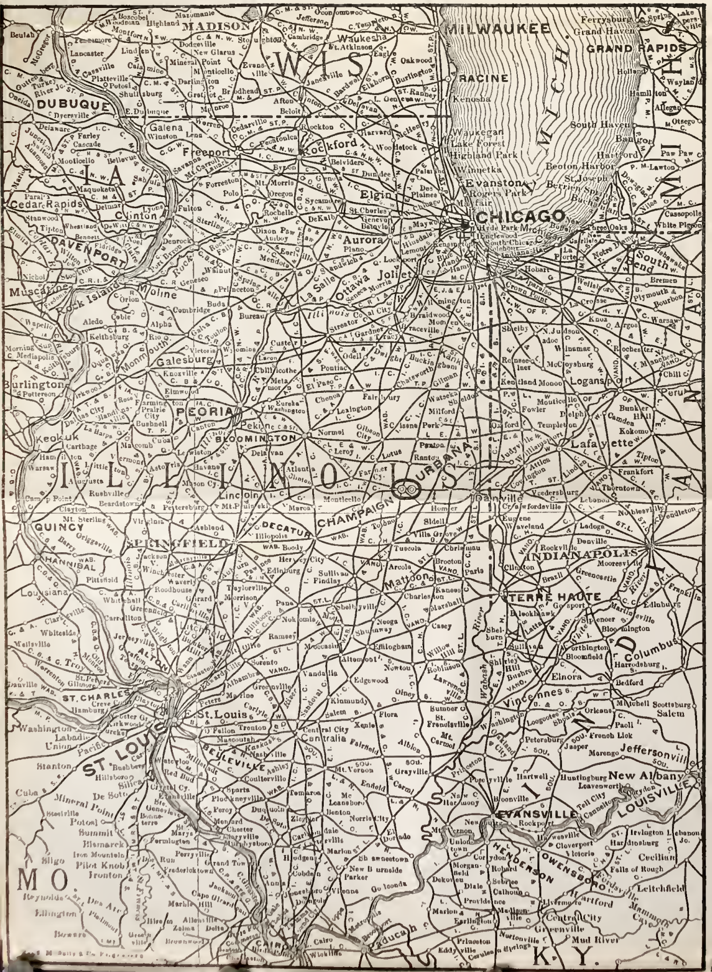
KEY—Alphabetical

26 Agricultural Building
37 Agronomy Building
13 Applied Mechanics Lab.
2 Armory
31 Astronomical Observatory
30 Auditorium
40 Beef Cattle Building
9, 15 Ceramics Laboratory
23 Chemistry Building
24 Commerce Building
39 Dairy Barn
11 Electrical Engin. Lab.
17 Engineering Hall
34 Farmhouse
38 Farm Mechanics Bldg.
41, 42 Feeding Sheds
6 Forge Shop
4 Foundry
12, 27, 33 Greenhouse
1 Gymnasium—Men's
35 Horse barn
32 Horticultural Building
36 Implement barn
21 Law Building
19 Library
29 Lincoln Hall
8 Mechanical Engin. Lab.
5 Metal Shops
22 Natural History Hall
16 Physics Laboratory
7 Power House—new
10 Power House—old
18 President's House
14 Pumping Station
28 State Entomologist's Lab.
20 University Hall
25 Woman's Building
3 Wood Shops



1	St. Peter's Evang. Church
2	Marquette School
3	German M. E. Church
4	Lincoln School
5	Burnham Hospital
6	Pi Omicron
7	Trinity M. E. Church
8	Church of Christ
9	Tau Lambda
10	Col. Wolf School
11	Ibis
12	Phi Delta Theta
13	Alpha Delta Phi
14	Iris
15	Ilus
16	Phi Alpha Delta
17	Psi Upsilon
18	Delta Upsilon
19	Sigma Pi
20	Sigma Nu
21	Zeta Psi
22	Theta Delta Chi
23	Phi Sigma Kappa
24	Chi Beta
25	Beta Theta Pi
26	College Hall
27	Phi Kappa Sigma
28	Acacia
29	Loyola
30	Alpha Alpha
31	Tau Beta Pi
32	Sigma Kappa
33	Delta Tau Delta
34	Kappa Kappa Gamma
35	Sigma Chi
36	Y. M. C. A.
37	University Club
38	Delta Gamma
39	Chi Omega
40	Alpha Chi Omega
41	Delta Kappa Epsilon
42	Phi Gamma Delta
43	Alpha Tau Omega
44	Presbyterian Church
45	Y. W. C. A.
46	Pi Beta Phi
47	Presbyterian Hall
48	Triangle
49	Kappa Sigma
50	Alpha Chi Delta
51	Alpha Sigma Phi
52	Phi Beta
53	Sigma Alpha Epsilon
54	Kappa Alpha Theta
55	Phi Kappa Psi
56	Osborne Hall
57	Cosmopolitan Club
58	Unitarian Church
59	Achoth
60	Alpha Omicron Pi





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57 Cosmopolitan Club
58 Unitarian Church
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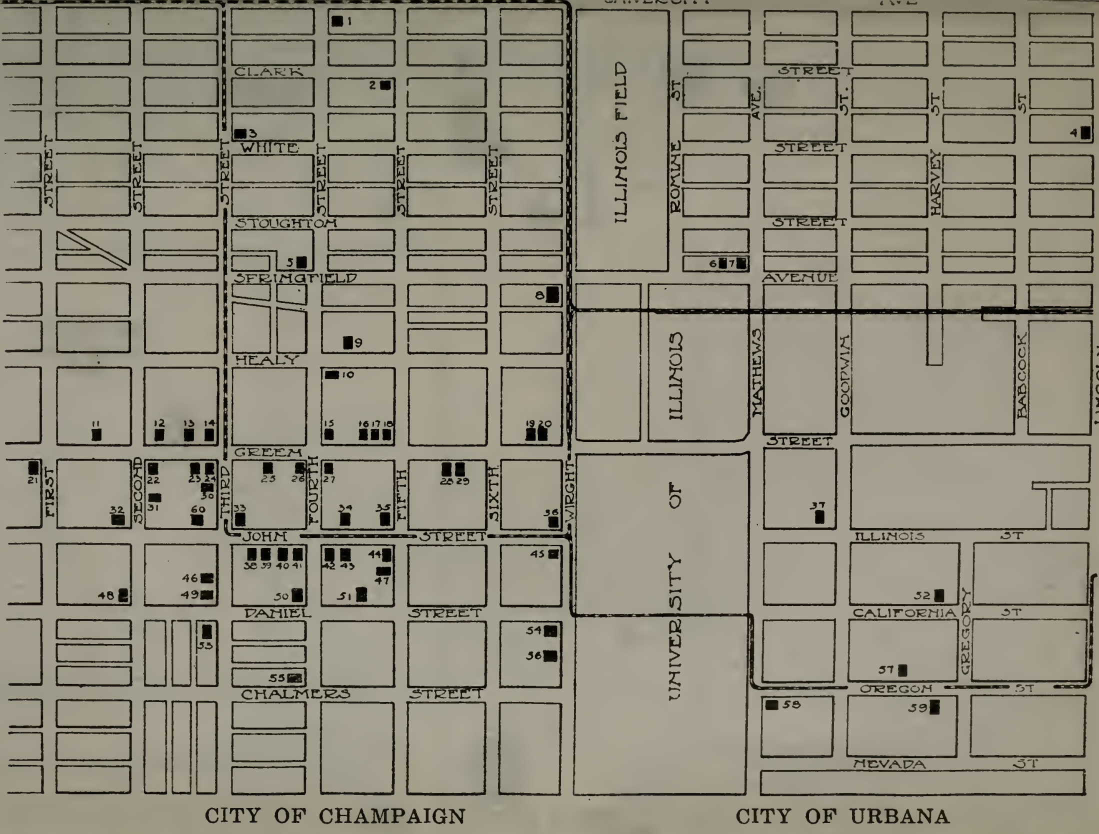
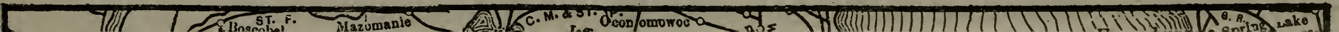
60 Alpha Omicron Pi





Learning and Labor

University of Illinois

ANNUAL REGISTER

1911-1912

General Announcements, 1912-1913
Faculty and Courses, 1911-1912
Students, 1910-1911-1912

URBANA-CHAMPAIGN
PUBLISHED BY THE UNIVERSITY
1912

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1911-1912
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1912

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THE UNIVERSITY CALENDAR

1911-1912-1913

FOR ALL DEPARTMENTS AT URBANA

FIRST SEMESTER, 1911-1912

1911	
Sept. 13-16, Wed. to Sat.	Entrance examinations
Sept. 18, 19, Mon., Tues.	Registration days
Sept. 20, Wed., 8 a. m.	Instruction begun
4 p. m.	Freshman convocation
Oct. 2, Mon., 4 p. m.	Senate meeting
Nov. 6, Mon., 5 p. m.	Latest date for formal announcement of thesis subjects
Nov. 23-25, Thurs. to Sat.	High school conference
Nov. 29, Wed., 12 m.	Thanksgiving recess begun
Dec. ~~2~~, Sat. [illegible]	Illinois Day
Dec. 4, Mon., 12 m.	Instruction resumed
4 p. m.	Senate meeting
Dec. 8, Fri.	Junior promenade
Dec. 12, Tues.	Christmas concert
Dec. 22, Fri., 12 m.	Holiday recess begun
Dec. 30, Sat., 5 p. m.	Latest day for submission of outlines of theses by candidates for professional degrees in engineering
1912	
Jan. 3, Wed., 12 m.	Instruction resumed
Jan. 25, Thurs.	Semester examinations begun
Feb. 1, Thurs.	End of first semester
Feb. 2, Fri.	Annual sophomore cotillion

SECOND SEMESTER, 1911-1912

Feb. 5, 6, Mon., Tues.	Registration days
Feb. 5, Mon., 4 p. m.	Senate meeting

Feb. 7, Wed., 8 a. m.	Instruction begun
Feb. 12, Mon.	Lincoln Day
Feb. 23, Fri.	Annual military ball
March 2, Sat.	University Day
	Annual band concert
March 12, Tues.	Annual meeting of the Board of Trustees
April 1, Mon., 4 p. m.	Senate meeting
5 p. m.	Latest day for filing of completed theses by candidates for professional degrees in engineering
April 4, Thurs., 12 m.	Easter recess begun
April 9, Tues., 12 m.	Instruction resumed
April 25, Thurs., 2 p. m.	Commencement, School of Pharmacy
May 17, Fri., evening	Interscholastic oratorical contest
May 16-18, Thurs. to Sat.	Public school art exhibit
May 18, Sat.	Interscholastic athletic meet
5 p. m.	Latest day for receipt by the Dean of the Graduate School of certified copies of doctors' theses
May, between 15 and 31	Hazelton prize drill Annual inspection Company competitive drill
May 29, Wed.	Commencement, College of Dentistry
May 30, Thurs.	Military Day
	Semester examinations begun
June 1, Sat., 12 m.	Latest day for acceptance of undergraduate theses
	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 4, Tues.	Commencement, College of Medicine
June 6, Thurs.	Semester examinations ended
June 9, Sun.	Baccalaureate address
June 10, Mon.	Class Day
	Senior ball
June 11, Tues.	Alumni Day
June 12, Wed.	Forty-first Annual Commencement

FIRST SEMESTER, 1912-1913

Sept. 11-14, Wed. to Sat.	Entrance examinations
Sept. 16, 17, Mon., Tues.	Registration days
Sept. 18, Wed., 8 a. m.	Instruction begun
4 p. m.	Freshman convocation
Oct. 7, Mon., 4 p. m.	Senate meeting
Nov. 4, Mon., 5 p. m.	Latest day for announcement of subjects for all undergraduate and graduate theses
Nov. 21-23, Thurs. to Sat.	High school conference
Nov. 27, Wed., 12 m.	Thanksgiving recess begun
Dec. 2, Mon.	Illinois Day
12 m.	Instruction resumed
4 p. m.	Senate meeting
Dec. 13, Fri.	Junior promenade
Dec. 17, Tues.	Christmas concert
Dec. 21, Sat., 12 m.	Holiday recess begun
Dec. 31, Tues., 5 p. m.	Latest day for submission of outlines of theses by candidates for professional degrees in engineering
1913	
Jan. 3, Fri., 12 m.	Instruction resumed
Jan. 23, Thurs.	Semester examinations begun
Jan. 30, Thurs.	End of first semester
Jan. 31, Fri.	Annual sophomore cotillion

SECOND SEMESTER, 1912-1913

Feb. 3, 4, Mon., Tues.	Registration days
Feb. 3, Mon., 4 p. m.	Senate meeting
Feb. 5, Wed., 8 a. m.	Instruction begun
Feb. 12, Wed.	Lincoln Day
Feb. 21, Fri.	Annual military ball
March 1, Sat.	Annual band concert
March 2, Sun.	University Day
March 11, Tues.	Annual meeting of the Board of Trustees
March 20, Thurs., 12 m.	Easter recess begun

March 25, Tues., 12 m.	Instruction resumed
April 1, Tues., 5 p. m.	Latest day for filing of completed theses by candidates for professional degrees in engineering
April 7, Mon., 4 p. m.	Senate meeting
May 16, Fri., evening	Interscholastic oratorical contest
May 15-17, Thurs. to Sat.	Public school art exhibit
May 17, Sat.	Interscholastic athletic meet
5 p. m.	Latest day for receipt by the Dean of the Graduate School of certified copies of doctors' theses
May, between 15 and 31	Hazelton prize drill Annual inspection Company competitive drill
May 29, Thurs.	Semester examinations begun
May 30, Fri.	Military Day
June 5, Thurs.	Semester examinations ended
June 7, Sat., 12 m.	Latest day for acceptance of undergraduate theses
	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 8, Sun.	Baccalaureate address
June 9, Mon.	Class Day
	Senior ball
June 10, Tues.	Alumni Day
June 11, Wed.	Forty-second Annual Commencement

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JOHN WEATHERSON, C.E., M.D., *Head Instructor in Senior Medicine*

BUDD CLARKE CORBUS, M.D., *Instructor in Genito-Urinary and Venereal Diseases*

ULYSSES GRANT DARLING, M.D., *Instructor in Senior Neurology and Psychiatry*

JOHN MICHAEL LANG, M.D., *Instructor in Gynecology and Clinical Gynecology*

SOLOMON EISENSTAEDT, B.S., M.D., *Instructor in Senior Medicine*

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GEORGE JOHN LORCH, M.D., *Instructor in Materia Medica and Therapeutics*

HENRY EUGENE IRISH, M.D., *Instructor in Materia Medica and Therapeutics*

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IRVING HERBERT EDDY, M.D., *Instructor in Gynecology*

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WILLIAM HENRY CREDE, M.D., *Instructor in Diseases of the Chest*

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ALBERT JOHN SCHOENBERG, M.D., *Instructor in Gynecology*

LOIS LINDSAY WYNEKOOP, M.D., *Instructor in Biology, Histology, and Embryology*

FRANK MARION HORSTMANN, M.D., Ph.G., *Instructor in Biology, Histology, and Embryology*

WILLIAM C. SMITH, M.D., *Instructor and Demonstrator in Anatomy*

WILBUR MAYNARD FRENCH, M.D., *Instructor in Clinical Pediatrics*

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JOHN NULTON BERGER, A.M., M.D., *Head Instructor in Senior Surgery and Instructor in Clinical Surgery*

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Oscar Gustav Fischer, M.D., *Instructor in Bacteriology*

Adolph Hartung, M.D., *Instructor in Radiagraphy*

Earl B. Jewell, M.D., *Instructor in Senior Neurology and Clinical Neurology*

John B. Legnard, M.D., *Instructor in Clinical Genito-Urinary Surgery and Venereal Diseases*

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Walter C. McKee, M.D., *Instructor in Junior Medicine and Assistant in Clinic*

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Eugene Spitz, M.D., *Instructor in Obstetrics*

Arthur K. Stangland, M.D., *Instructor in Senior Medicine*

Richard C. Steffen, M.D., *Instructor in Obstetrics*

Lillian E. Taylor, A.B., M.D., *Head Instructor in Laryngology, Rhinology, and Otology and Assistant in Clinic*

Franklin P. Wilson, M.D., *Instructor in Materia Medica*

Leon J. Witkowski, M.D., *Instructor in Senior Medicine*

ASSISTANTS

Frederick Hamilton Blayney, A.M., M.D., *Assistant in Clinical Surgery*

William Butler West, M.D., *Assistant in Clinic in the Department of Ophthalmology*

John F. Davis, M.D., *Assistant in Clinical Surgery*

Daniel S. Hager, M.D., *Assistant in Clinic in the Department of Ophthalmology*

Mary Blanch White, M.D., *Assistant in Clinic in the Department of Gynecology*

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George W. Post, Jr., B.S., A.M., M.D., *Assistant in Clinical Surgery*

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Frank Lee Stone, M.D., *Assistant in Pathology*

Frederick D. Vreeland, M.D., *Assistant in Clinic in the Department of Ophthalmology*

Bert L. T. Woods, M.D., *Assistant in Clinical Surgery*

Metta May Loomis, *Librarian*

STUDENT ASSISTANTS

George Nye Hiskey, Ph.G., *Student Assistant in Materia Medica and Therapeutics*

Isadore E. Kohn, *Student Assistant in Materia Medica and Therapeutics*

Ray Evan Logan, *Student Assistant in Pathology*

Frank John Novak, *Student Assistant in Chemistry*

Howard Samuel Perry, *Student Assistant in Chemistry*

Richard R. Rupert, *Student Assistant in Anatomy*

Edward F. Slavik, *Student Assistant in Chemistry*

H. W. Tupper, *Student Assistant in Chemistry*

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THE COLLEGE OF DENTISTRY

Edmund Janes James, Ph.D., LL.D., *President*

George Washington Cook, *B.S., D.D.S., Dean, Professor of Bacteriology, Pathology, and Therapeutics*

Donald McKay Gallie, D.D.S., *Professor of Operative Dentistry, and Operative Technic*

George Walter Ditmar, D.D.S., *Professor of Prosthetic Dentistry, and Superintendent of Infirmary*

Charles Erwin Jones, B.S., D.D.S., *Secretary and Registrar, Professor of Materia Medica and Therapeutics*

Frederick B. Moorehead, A.B., D.D.S., M.D., *Professor of Oral Surgery*

James Alfred Burrill, D.D.S., *Professor of Orthodontia*

Jacob F. Burkholder, M.D., *Professor of Physiology*

Frank E. Wynekoop, M.D., *Professor of Histology and Microscopy*

Elmer DeWitt Brothers, B.S., LL.B., *Professor of Dental Jurisprudence*

Roden R. Duff, M.D., *Professor of Physical Diagnosis and Anesthesiology*

Warren C. Hawthorne, A.B., M.S., *Professor of Chemistry*

Seth E. Meek, M.S., Ph.D., *Professor of Comparative Anatomy*

Leonard C. Borland, M.D., *Professor of General and Regional Anatomy*

Louis E. Bake, D.D.S., *Associate Professor of Operative and Prosthetic Technology*

Henry C. Lee, Ph.G., D.D.S., *Associate Professor of Materia Medica*

Louis Schultz, D.D.S., M.D., *Adjunct Professor of Oral Surgery*

Arthur G. Nauman, D.D.S., *Associate Professor of Dental Anatomy*

CHIEF DEMONSTRATORS

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Reuben A. Stone, D.D.S., *Operative Dentistry*

DEMONSTRATORS

George H. Vann, D.D.S., *Operative Department*
Solomon P. Starr, D.D.S., *Operative Department*

QUIZ MASTERS

Louis E. Bake, D.D.S., *Prosthetic Department*
Henry C. Lee, Ph.G., D.D.S., *Materia Medica and Therapeutics*
Arthur G. Nauman, D.D.S., *Anatomy—Physiology*
Louis Schultz, D.D.S., M.D., *Oral Surgery*

THE SCHOOL OF PHARMACY

(Michigan Boulevard and Twelfth Street, Chicago)

EDMUND JANES JAMES, Ph.D., LL.D., *President*

*FREDERICK MARION GOODMAN, Ph.G., *Dean, Professor of Materia Medica and Botany*

ALBERT HENRY CLARK, Ph.G., *Assistant Professor of Chemistry*

WILLIAM BAKER DAY, Ph.G., *Acting Dean, Secretary, Professor of Histological Botany*

CLYDE MASON SNOW, Ph.G., *Assistant Professor of Pharmacy*

HENRY HORACE ROGERS, Ph.B., M.D., *Lecturer on Physiology*

EDMUND NORRIS GATHERCOAL, Ph.G., *Instructor in Pharmacognosy*

HENRY WILLIAM COLSON, *Assistant in Chemistry*

BEN LEE EICHER, *Assistant in Pharmacy*

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* On leave, 1911-12

STANDING COMMITTEES OF THE FACULTY

COMMITTEES OF THE SENATE

Committee on Library—Professor Daniels, chairman; Professor Blair, Professor Carman, Professor Goebel, Professor Sherman, Assistant Professor Washburn, Mr. Windsor.

Committee on Educational Policy—Professor Green, chairman; Professor Mumford, Professor Noyes, Professor Berg, Professor Ford, Dean Kinley *(ex officio)*.

Committee on Athletics—Professor Goodenough, chairman; Dean Harker, Professor Hawk, Professor White, Major Morse.

COMMITTEES OF THE COUNCIL OF ADMINISTRATION

Committee on Attendance for Men—Professor Barton, chairman; Dean Clark (secretary), Professor Richards, Assistant Professor Curtis, Assistant Professor Coffey.

Committe on Attendance for Women—Assistant Professor Price, chairman; Acting Dean Fawcett (secretary), Assistant Professor Simpson.

Committee on Discipline for Men—Dean Clark, chairman *(ex officio)*; Professor Barton, Assistant Professor Stebbins, Assistant Dean Bawden, Assistant Professor Rankin, Professor Decker.

Committee on Discipline for Women—Acting Dean Fawcett, chairman *(ex officio)*; Director Moulton, Miss Kyle.

Committee on Student Organizations and Activities—Assistant Professor Paul, chairman; Dean Clark, Professor Mann, Dr. Isham, Assistant Professor Schwartz.

Committee on Student Publications—Mr. Scott, chairman; Professor L. H. Smith, Assistant Professor Dufour.

Auditing Committee for Student Organizations and Publications—Professor Robinson, chairman; Assistant Professor Shaw, Assistant Professor Enger (two seniors and one junior to be appointed).

Committee on Students' Progress—Dean Clark, chairman; Acting Dean Fawcett, Assistant Dean Meyer, Associate Professor Rietz, Assistant Dean Bawden, Assistant Professor Rankin, Professor Vernier.

Committee on Transfer of Credits—Assistant Professor Anderson, chairman; Assistant Professor Hollister, Assistant Professor Leutwiler, Professor Pettit, Dr. Crathorne, Mr. McConn, secretary *(ex officio).*

Committee on Accredited Schools—Professor Bagley, chairman; Assistant Professor Hollister, Associate Professor Bayley, Assistant Professor Paul, Assistant Dean Bawden, Mr. McConn.

Committe on Appointment of Graduates—Professor Bagley, chairman; Assistant Professor Hollister, Assistant Professor Larson, Associate Professor Frank Smith.

Committee on Catalog—Professor Ward, chairman; Professor Mann, Associate Professor Fulton.

PART I

GENERAL INFORMATION

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PART I. GENERAL INFORMATION

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HISTORY

1862. The Morrill Land Grant

By this act the national government donated to each state in the Union public land scrip, in quantity equal to 30,000 acres for each senator and representative in Congress, "for the endowment, support, and maintenance of at least one college, whose leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, * * * * in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

On account of this grant the State pays the University, semi-annually, interest at the rate of five per cent on about $610,000 and deferred payments on land contracts amounting approximately to $35,000.

Location chosen

To secure the location of the University several counties entered into competition by proposing to donate to its use specified sums of money or their equivalent. Champaign County offered a large brick building in the suburbs of Urbana, erected for a seminary and nearly completed, about 1,000 acres of land, and $100,000 in county bonds. To this the Illinois Central Railroad added $50,000 in freight.

1867. Incorporation

The institution was incorporated February 28, 1867, under the name of the Illinois Industrial University. It was placed under the control of a Board of Trustees, consisting of the Governor, the Superintendent of Public Instruction, and the President of the State Board of Agriculture, *ex officio* members, and twenty-eight citizens appointed by the Governor. The chief executive officer was called the Regent, and was made an *ex officio* member of the Board and the presiding officer of both the Board of Trustees and the Faculty.

1868. The University opened

The University was opened on March 2, 1868. The number of students enrolled was about fifty; the faculty consisted of the Regent and three professors. During the first term another instructor was added, and the number of students increased to 77—all young men.

During the first term instruction was given in algebra, geometry, physics, history, rhetoric, and Latin. Work on the farm and gardens or about the buildings was at first compulsory for all students. In March of the next year, however, compulsory labor was discontinued, save when it was to serve as a part of instruction.

1868-9. The first laboratories

During the autumn of 1868 a chemical laboratory was fitted up; and laboratory work in botany was begun the following year.

1870. Pioneer shop instruction

In January, 1870, a mechanical shop was fitted up with tools and machinery, and here was begun the *first shop instruction* given in any American university. In the summer of 1871 the Wood Shops and Testing Laboratory (burned on June 9, 1900) were erected and equipped for students' shop work in both wood and iron.

1870. Women admitted

On March 9, 1870, the Trustees voted to admit women as students. In the year 1870-71 twenty-four availed themselves of the privilege. Since that time they have constituted from one-sixth to one-fifth of the total number of students.

1873. First reorganization of the Board of Trustees

At this time the number of members was reduced from thirty-one (see under 1867 above) to eleven—the Governor and the President of the State Board of Agriculture, *ex officio,* and nine others, who were still appointed by the Governor. Beginning at this time also, the President of the Board has been chosen by the members from among their own number for a term of one year. (See also under 1887 below.)

1877. Authority to confer degrees received

According to the original State law, the usual diplomas and degrees could not be granted by the University; certificates showing the studies pursued and the attainments in each were given instead. The certificates proved unsatisfactory to the holders, and in 1877 the legislature gave the University authority to confer degrees and issue diplomas.

1885. Change of name

In this year the General Assembly changed the name of the institution from the *Illinois Industrial University* to the *University of Illinois.*

1885. The State Laboratory of Natural History transferred to the University

See page 453.

1887. Second reorganization of the Board of Trustees

In 1887 a law was passed making membership in the Board elective, at a general State election, and restoring the Superintendent of Public Instruction as an *ex officio* member. There are now, therefore, three *ex officio* and nine elective members.

1887. The Agricultural Experiment Station established at the University

See page 447.

1890. Additional Federal endowment

In 1890 the Congress of the United States made further appropriations for the endowment of the institutions founded under the act of 1862. Under this enactment each such college or university received the first year $15,000, the second $16,000, and thereafter was to receive $1,000 a year additional to the amount of the preceding year, until the amount reached $25,000, which sum was to be paid yearly thereafter.

1892. The Graduate School

Beginning with this year, graduate work was undertaken under the name of the Graduate School, but without the organization of a separate faculty.

1894. The Summer Session

The first summer session of the University was authorized by a vote of the Trustees on March 13, 1894, and was opened in June of that year.

1896. The School of Pharmacy

On May 1, 1896, the Chicago College of Pharmacy, founded in

1859, became the School of Pharmacy of the University of Illinois. Its building is located at Michigan Boulevard and Twelfth Street, Chicago.

1897. The College of Medicine

Negotiations looking to the affiliation of the College of Physicians and Surgeons of Chicago with the University, which had been going on for several years, were concluded by the Board of Trustees March 9, 1897. Accordingly, the College of Physicians and Surgeons became, on April 21, 1897, the College of Medicine of the University of Illinois. The College is located at Congress and Honore Streets, Chicago.

1897. The School of Music

By vote of the Trustees on June 9, 1897, the department of music, which had been reorganized and enlarged in 1895, was erected into the School of Music, with a separate faculty and organization.

1897. The State Water Survey authorized

See page 455.

1897. The State Library School

In 1897 the School of Library Economy, which had been established in 1893 at the Armour Institute of Technology in Chicago, was transferred to the University; the Director of that school was appointed Librarian of the University Library; and the State Library School was opened.

1897. The College of Law

Pursuant to action of the Board of Trustees, taken December 8, 1896, the School of Law was organized, and was opened September 13, 1897. The course of study covered two years, in conformity with the existing requirements for admission to the bar of Illinois. In the following November, however, the Supreme Court of the State announced rules relating to examinations for admission to the bar which made three years of study necessary, and the course of study in the Law School was immediately rearranged on that basis. On February 9, 1900, the name of the School of Law was changed, by vote of the Board of Trustees, to *College of Law.*

1899. The State Entomologist's Office permanently established at the University

See page 454.

1900. Courses in Business Administration

In 1900 the General Assembly made an appropriation for the establishment of courses of training for business life, and, in accordance with that action, the Trustees approved the organization of the Courses in Business Administration, frequently given elsewhere under the name of School of Commerce.

1901. The College of Dentistry

In accordance with action taken by the Board of Trustees March 12, 1901, a School of Dentistry was organized as a department of the College of Medicine. The School was opened October 3, 1901. The name was changed to *College of Dentistry* April 27, 1905.

1903. The Board of Examiners in Accountancy created

See page 458.

1903. The Engineering Experiment Station established

See page 451.

1905. The School of Education

By a vote of April 27, 1905, the Board of Trustees established the School of Education, to provide for the professional training of teachers.

1905. The State Geological Survey established

See page 456.

1906. The School of Railway Engineering and Administration

On January 30, 1906, the Board of Trustees created in the College of Engineering a department of railway engineering; on January 22, 1907, supplementing that action, it established the School of Railway Engineering and Administration.

1906-7. The Graduate School organized as a separate faculty

The General Assembly appropriated $50,000 for the Graduate School, and the Executive Faculty of that school was organized.

1909. A Mine Rescue Station established at the University

See page 459.

1911. The Mill Tax

The General Assembly passed a law providing that in the year 1912, and annually thereafter, the proceeds of a tax of one mill for each dollar of the assessed valuation of the taxable property of the State shall be set apart as a fund for the maintenance of the University.

THE UNIVERSITY TOWNS

The University of Illinois is situated in Champaign County, in the eastern central part of the state. It lies within the corporate limits of the city of Urbana, and is bounded on the west by the city of Champaign. These two towns form one community of about twenty thousand inhabitants, in the center of which are the University grounds.

Urbana and Champaign may be reached by the Illinois Central, the Wabash, the Cleveland, Cincinñati, Chicago & St. Louis ("Big Four") railroads; by the Chicago and Eastern Illinois railroad to Glover, Illinois, and thence by trolley to Urbana; also by interurban lines from Danville, Bloomington, Decatur, Springfield, and St. Louis.

Both cities are well paved, well drained, and provided with good water supply. In matters pertaining to health, conditions are excellent.

The moral and religious conditions of the University community are favorable to the welfare of the students. There are twenty-seven churches, representing fourteen denominations, and a number of students' religious associations, leagues, and guilds. Under the State local option law, the liquor traffic has been barred from both cities.

EQUIPMENT

BUILDINGS AND GROUNDS

The land occupied by the University and its several departments embraces about 220 acres, besides a farm of 400 acres.

There are at the present time some thirty buildings on the campus, with a total valuation, exclusive of equipment, of $2,093,500.

UNIVERSITY HALL

University Hall (erected 1873) is the "old main building" of the University. It occupies three sides of a quadrangle, and is five stories in height. It is devoted to class rooms and offices.

LINCOLN HALL

Lincoln Hall, which was occupied for the first time in the fall of 1911, has a frontage of 230 feet. The exterior is brick, stone, and terra cotta. The lines of the building are simple, but the exterior is ornamented with terra cotta panels, giving ideal representations of the various phases of Lincoln's career, and inscriptions taken from his writings. This building provides for the advanced work of the departments of the classics, English, Romance languages, Germanic languages, history, economics, political science, sociology, and philosophy. The first three floors provide, in addition to the ordinary class and consultation rooms, seminar libraries and conference rooms. On the fourth floor are research rooms and two museums, the Museum of Classical Art and Archæology, and the Museum to Illustrate the History of European Culture.

SCHOOL OF COMMERCE

The School of Commerce building, which is now under construction and which will no doubt be occupied in the second semester of 1913, has a frontage of 153 feet. The exterior is of brick and stone, carrying much the same simple lines as are expressed in Lincoln Hall. The building will accommodate the departments of economics and accountancy, with their libraries. It is to be fireproof.

GENERAL SCIENCE GROUP

Natural History Hall (old part erected 1892; addition 1909) is the largest building on the campus, covering a ground area 135 feet by 275 feet. It is occupied by the departments of botany, entomology, zoölogy, physiology, geology, and mathematics, together with the offices and equipment of the State Geological Survey, and the State Natural History Survey, and the office of the State Entomologist. A fireproof museum 51 feet by 63 feet in size, equipped with fire- and dust-proof cases, occupies the center of the building.

The Laboratory of Physics (erected 1909) is a three-story fireproof brick building trimmed with Bedford limestone. The length is 178 feet and the depth of the wings 125 feet. The first floor is rectangular, the court space between the wings being used for the large lecture rooms. A one-story annex, 78 by 28 feet, contains the ventilating and heating fans and the machine shop of the department. The total available floor area, exclusive of the basement, is about 60,000 square feet. The large laboratories and the recitation rooms are mostly in the west wing. The east wing is of heavy construction and contains about 30 smaller laboratories for advanced experimental work. The blue print department of the University occupies rooms on the top floor of the building.

The Chemical Laboratory (erected 1901-2) is a three-story building, the ground plan of which is shaped like the letter E. The extreme dimensions are 230 feet along the front and 116 feet along the wings. The middle rear wing contains the lecture amphitheater, which seats 350. The end wings contain the general laboratories. The central part of the building is occupied by offices, museum, class and seminar rooms, supply rooms, and a number of special rooms for research work. There is a basement, which contains the ventilating plant and rooms for assaying and metallurgy. In this building are located also the offices and equipment of the State Water Survey.

The Astronomical Observatory (erected 1896) is a brick building with extreme dimensions of 75 by 55 feet. It has three wings and is surmounted by a dome 25 feet in diameter.

The Ceramics Laboratory (erected 1910) is a two-story brick building in which are provided a general laboratory, plaster room, pottery room, rough grinding room, machine room, drawing room, library, recitation room, chemical laboratory, and office, all equipped with appropriate apparatus.

The Entomology Building is a two-story building 48 by 20 feet, with basement storerooms, and with two insectary wings of greenhouse construction, each 25 by 20 feet. In the main building is an office for the Entomologist, a stenographer's room, an insectary head room, the office of horticultural inspection, and a large fire-proof vault. The glass-covered wings are equipped for experimental entomology and life-history studies.

ENGINEERING GROUP

Engineering Hall (erected 1894) is a four-story building, with a frontage of 200 feet, a depth of 76 feet on the wings and 138 feet on the center, and a floor area of 47,000 square feet. On the first and second floors are the instrument rooms of the department of civil engineering, and the recitation rooms and offices of the departments of civil, electrical, and municipal and sanitary engineering; also the engineering lecture room. On the third floor are the offices of the Dean of the College and the Director of the Engineering Experiment Station, and the departments of mechanical engineering and general engineering drawing. The fourth floor is devoted to the architectural department.

The Electrical Engineering Laboratory (erected 1898) is a two-story brick building containing the storage battery and calibration rooms, laboratories, shop, and reading and recitation rooms.

The Mechanical Engineering Laboratory (erected 1905) is a brick building with a frontage of 120 feet, a total depth of 182 feet, and a floor area of 24,000 square feet. The front section is two stories high, and contains offices, lecture and computation rooms, and a large instrument room. Back of this are three bays. The middle bay is provided with a concrete testing floor and a 10-ton three-motor traveling crane of 38-foot span. The north bay contains a 5-ton traveling crane and for the present is used for laboratory work in connection with the departments of civil and electrical engineering and theoretical and applied mechanics.

The Laboratory of Applied Mechanics (erected 1901-2) is a brick building having a floor area of 16,000 square feet. The front part contains the materials testing laboratory, and the rear wing contains the hydraulics laboratory.

The Metal Shops (erected 1902) occupy a one-story brick building, with a floor area of 12,000 square feet, containing a lecture room, two office rooms, a machine shop, and a forge shop. The machine shop is 48 by 140 feet. Power is supplied by a 20 horse-power electric motor. A three-tone traveling crane of 12-foot span covers the center of the floor for the entire length.

The Wood Shop (erected 1901-2) and the *Foundry* (added 1904) occupy a brick building which has a floor area of 16,000 square feet. The part of the building devoted to the wood shop contains a bench room, lathe room, machine room, and various smaller rooms for lectures, exhibition purposes, etc. The part devoted to the foundry has a large molding floor traversed by a 5-ton traveling crane, and a large basement room for the storage of materials.

AGRICULTURAL GROUP

The Agricultural Building (erected 1900) consists of four separate structures, built around an open court and connected by corridors. The main building, three stories in height, contains offices, class rooms, and laboratories for the departments of agronomy, animal husbandry, dairy husbandry, horticulture, and veterinary science; the chemical laboratory of the Experiment Station; administration rooms; and an assembly room (Morrow Hall) with a seating capacity of 500. The other three buildings are two stories high; one is for dairy manufactures, one for farm crops, and one for veterinary science and stock judging. These buildings are of stone and brick, roofed with slate, and contain 113 rooms and a total floor space of nearly two acres. An adjacent glass structure serves the departments of agronomy and horticulture. There are, in addition to these buildings, three dwellings, three barns, and a greenhouse.

The Agronomy Building (erected 1904-5) is 50 by 100 feet in size, of brick and slate, trimmed with stone. It contains a field laboratory for crop work in which yields of experimental plats are studied, sample seeds stored, and specimens preserved.

The Animal Husbandry Cattle Feeding Plant has a capacity for feeding 150 steers at a time. It consists of open and closed sheds with paved lots adjoining. A storage barn 44 by 72 feet and an experimental silo complete the experimental cattle feeding plant.

The Beef Cattle Building (erected 1904-5) is a one-story structure of brick and slate, trimmed with stone, 217 feet across the front, with a wing at either end 33 by 49 feet; the central portion rises two stories and is used for the storage of feed. Other portions of the building are used as quarters for the breeding herd, and will accommodate about 100 head of cattle.

Other buildings for the accommodation of live stock are the horse barn, the piggery, and the large South Farm barn.

The Farm Mechanics Building (erected 1906-7) is a three-story brick structure containing class rooms, offices, lecture rooms, drafting room, library, laboratories, and tool and storage rooms. The third floor, which is reached by an elevator, furnishes storage room for the greater part of $16,000 worth of farm machinery loaned the College by various manufacturing companies and used for laboratory work. The facilities afforded by this building, with its equipment, make possible the assembling, testing, and adjusting of all the important machines used in farm operations.

The Horticultural Building (erected 1904-5) is a structure of brick and slate trimmed with stone, approximately 50 by 100 feet in size. It is used as a field laboratory for horticultural tests and contains sorting rooms, cold storage, and a laboratory for the mixing of spraying materials and other operations in connection with the horticultural work.

The Floricultural Greenhouses (erected 1908) comprise a plant consisting of four glass houses, each 105 by 28 feet, and a service building 26 by 103 feet. Three of the houses are used for experimental work in floriculture, while the fourth is devoted principally to the growing of material for class work in floriculture and plant propagation.

LAW BUILDING

The Law Building (erected 1878; remodeled 1902) is the second oldest building in the University group. It has two stories and a basement. The upper floor contains the Law Library, the students' conference room, the private offices of the members of the law faculty, and the Moot Court Room, a model court room with a seating capacity of four hundred. On the main floor are the recitation rooms, the Dean's offices, and the faculty room.

BUILDINGS FOR GENERAL UNIVERSITY USE

The Library Building (erected 1896-7) is modern Romanesque in style, is built of Minnesota sandstone, and measures 167 by 113 feet, with a tower 132 feet high. The first floor, or basement, contains the rooms of the catalog and order departments, the bound newspapers, and the University Station Postoffice. The second, or main floor, contains the general reference room, the periodical reading rooms, a small conference room, and the delivery room, which opens into the second story of the stack. The third floor contains the study room, lecture rooms, and office of the Library School, the Bolter Collection of Insects, a faculty study room, and office for the librarian and assistant librarian. The five-story book stack is a rear wing to the building, separated from it by a fireproof wall. The delivery room is open to the roof and is lighted by a dome of art glass; the lunettes are decorated with frescoes symbolic of the four older colleges in the University—Literature and Arts, Science, Agriculture, and Engineering.

The Auditorium (erected 1907-8) is a brick and stone building for general meeting purposes. It contains an auditorium seating about 2,200 and a memorial vestibule. All general University exercises, including convocations and the commencement gatherings, are held in this building.

The Men's Gymnasium (erected 1901) is a three-story building of stone and pressed brick, 100 by 150 feet. On the first floor there is a swimming pool, 26 feet wide, 75 feet long, and 8 feet deep at the lower end, lined with white enamel bricks. This floor contains, also, the general locker room, which is fitted up with all-metal lockers, and with shower, tub, and steam baths; rooms for the University athletic teams; a room for visiting teams; a special dressing room for members of the faculty; and offices for the physical director and the instructors in athletics. The entire second floor is one large room, which is fitted up with all the modern appliances for gymnastic exercises. The third floor contains an elevated running track, 15 laps to the mile, which is properly banked on the turns to secure the greatest speed and comfort in running.

The Armory (erected 1889-90) has a clear floor space of 15,000 square feet in one hall. It is equipped with racks for 1,200 stands of arms. An annex provides for two pieces of field artillery.

The Woman's Building (erected 1905) is in the New England colonial style of architecture, of reddish brown brick, with white stone trimmings. The central part of the structure is the woman's gymnasium. On the lower floor there are a swimming tank, lockers, dressing rooms, and baths. The upper floor is devoted to the main gymnasium, which is 92 by 50 feet. The north wing of the building is given to the department of household science, and the south wing provides rooms for the social life of the women students.

The addition to the Woman's Building (1911-12) will be an extension of the wings of the present building, terminated by a three-story structure extending north and south, with its facade in line with the front of Lincoln Hall. The enclosed court will be the area of the present building. This addition will be in the colonial style, though somewhat different from the present building, the materials being the same reddish brown brick, with white stone trimmings.

This addition will contain parlors and study rooms, an administrative suite for the dean of women and the professor of household science, and an institutional kitchen and cafeteria dining room.

THE PRESIDENT'S HOUSE

The President's House (erected 1896) is a three-story frame building, in the colonial style. The first story is designed primarily for entertaining; large reception and dining parlors are so arranged as to open together into a central corridor. The second and third stories provide library and living rooms.

SERVICE BUILDINGS

The Central Heating Station (erected 1902; addition 1910) is 55 by 120 feet. It contains boilers aggregating 1,800 horse-power. A supplemental boiler and power plant, designed ultimately to carry the load of the present station, is equipped with boilers of 1,000 horse-power. These two stations furnish steam for heating and power to all buildings on the campus. A power plant containing a 250-kilowatt direct connected steam engine and dynamo, a 125-kilowatt direct connected Westinghouse engine and generator, and a 100-kilowatt Curtiss turbo-generator, together with the accessories necessary to a complete power station, supplies current for light and power to all parts of the grounds. The pipe-lines of the heating system and the circuits for distributing electricity are carried from the central plant to the several buildings through brick tunnels. Altogether there are now 4,425 feet of tunnels for such purposes. The new boiler and power plant provides temporary quarters for the electric test car of the department of railway engineering.

The Pumping Station of the University water-works is a brick building, 38 by 73 feet, connected with the central heating station. Four 8-inch wells, 145 feet deep, supply the University with water. A masonry reservoir provides for a fire-reserve supply. The pumps, tanks, and connections are arranged to give opportunities for experimental work, and also to vary the working conditions in the adjacent hydraulics laboratory. In this building is kept the equipment of the University fire department, including an electric automatic hose and chemical wagon.

LABORATORIES

Twenty-two departments of the University are equipped with laboratories. The following list shows the buildings in which these are located:

GENERAL SCIENCE LABORATORIES

Botany—Natural History Hall
Ceramics—Ceramics Laboratory
Chemistry—Chemical Laboratory
Entomology—Natural History Hall
Geology—Natural History Hall
Physics—Laboratory of Physics
Physiology—Natural History Hall
Psychology—University Hall
Zoology—Natural History Hall

ENGINEERING LABORATORIES

Cement—Mechanical Engineering Laboratory
Electrical engineering—Electrical Engineering Laboratory
Hydraulics—Laboratory of Applied Mechanics
Materials testing—Laboratory of Applied Mechanics
Mechanical engineering—Mechanical Engineering Laboratory
Roads—Mechanical Engineering Laboratory

SPECIAL RESEARCH LABORATORIES

Agricultural Experiment Station— Bacteriological laboratory Chemical laboratory Physical laboratory	Agricultural Building
Geological department— Laboratory of economic geology	Natural History Hall
State Entomologist's Office—	Natural History Hall
State Laboratory of Natural History—	Natural History Hall
State Water Survey— Laboratory for sanitary water analysis	Chemical Laboratory

MUSEUMS AND COLLECTIONS

COLLEGE OF LITERATURE AND ARTS

Art.—A collection of casts, photographs, and engravings presented to the University in 1876 by citizens of the community has, for want of a suitable gallery, been placed in different buildings on the campus. Eight large statues are in the auditorium foyer. Numerous pieces of this collection are now in the studios of the Art Department in University Hall, and others are used to decorate the corridors and class rooms of University Hall, Natural History Hall, and the Library. A collection of eighty-one German and Japanese prints purchased by the Art Department from the St. Louis Exposition in 1905 are displayed in the rooms of the Art Department.

Other collections of value to art students, consisting of a number of casts of Moorish, Spanish, and German ornament and miscellaneous casts, models, prints, and drawings, are placed in the studios and corridors of the Art Department.

Classical Art and Archæology.—Space in the south wing of Lincoln Hall has been set apart for a Museum of Classical Art and Archæology. The nucleus of such a collection has already been secured, and includes photographs, casts, and some original objects.

Commerce.—For its courses in industrial economics and commerce the University has a working collection of the materials of commerce; a lantern and several hundred slides; a liberal supply of political and industrial maps; and diagrams and stereoscopic views illustrating various phases of commerce and industry. Most of the articles constituting the commercial museum are the gift of the Philadelphia Commercial Museum.

Education.—In the rooms of the department of education in University Hall is a collection of illustrative material from the manual training departments of various schools; photographs of school buildings; drawings and constructive work by pupils in the public schools; and the nucleus of a representative collection of apparatus for the school laboratory.

European Culture.—In the north wing of Lincoln Hall space has been set apart for a Museum to Illustrate the History of European Culture.

COLLEGE OF SCIENCE

Botany.—The *herbarium* contains about 65,000 mounted specimens of plants. The flora of North America is fairly well represented; the collection of species of flowering plants indigenous to Illinois is practically complete; and a considerable collection of foreign species has been made. The collection of fungi amount to 32,000 named specimens, and include a set of those most injurious to other plants, causing rusts, moulds, etc.

Entomology.—The entomology collections of the University include an elementary reference series of 6,400 specimens, representing 1,600 common species; and the Bolter collection, donated to the University by the executors of the estate of the late Andreas Bolter, of Chicago, which now contains about 120,000 specimens representing over 16,000 species. The department has access, also, to the insect collections of the State Laboratory of Natural History, which contain 312,000 pinned insects and 22,216 vials and bottles of specimens in alcohol, mainly from Illinois.

Geology.—The geology collections are to be found in the Natural History Building. *Lithology* is represented by type collections of rocks aggregating 9,000 specimens; 1,000 thin sections of rocks and minerals; a large number of ornamental building stones; a stratigraphic collection to illustrate Illinois geology; a collection of Illinois soils (104), and one of polished marbles, granites, and other ornamental stones.

The *mineralogy collection* is especially rich in rock-forming minerals, ores, and materials of economic value. It contains over 12,000 specimens, selected to meet the wants of the students; 575 crystal models; and a considerable collection of gems and precious stones.

The *paleontology collection* (49,000 specimens) contains representative fossils from the entire geologic series, but is especially rich in paleozoic forms. It embraces the private collections of A. H. Worthen (including 742 type specimens); Tyler; McWhorter; Mr. Hertzer; the greater part of the collections made by the Geological Survey of the state under Worthen; 200 thin sections of corals; the Ward collection of casts; and a number of special collections representing the fauna and flora of particular groups.

Zoology.—The zoology collections have been specially selected and prepared to illustrate the courses of study in zoology and to present a synoptical view of the zoology of the state. Most of them are placed in the new museum room in the Natural History Building, and in adjacent corridors. The mounted mammals include a collection of the ruminants of our country and representatives of the other orders of Mammalia except the Sirenia. The same orders are also represented by mounted skeletons.

The collection of mounted birds includes representatives of all the orders and families of North America, together with a number of characteristic tropical, Bornean, and New Zealand forms. The collection is practically complete for Illinois species. There is also a collection of the nests and eggs of Illinois birds.

The cold-blooded vertebrates are represented by a series of mounted skins of larger species, both terrestrial and marine; mounted skeletons of typical representatives of the principal groups; alcoholic specimens; and casts. The alcoholics include series of the reptiles, amphibians, and fishes, the latter comprising about 300 species. The casts represent about seventy-five species, nearly all fishes.

The Mollusca are illustrated by alcoholic specimens of all classes and orders, and dissections showing the internal anatomy of typical forms. There are several thousand shells, belonging to 1,700 species. The collection of Illinois shells is fair but incomplete.

The lower invertebrates are represented by several hundred dried specimens and alcoholics, and by a series of Blaschka glass models.

The embryology of vertebrates and invertebrates is illustrated by several sets of Ziegler wax models and series of sections and other preparations.

In addition to the foregoing, the collections of the State Laboratory of Natural History are available for illustrative purposes, as well as for original investigation by advanced students.

COLLEGE OF ENGINEERING

Architecture.—The architecture collections include plaster casts of architectural detail and ornament; 9,400 lantern slides of architectural subjects and 900 slides of painting and sculpture; 20,000 classified plates, photographs, and 2,400 stereoscopic views; a working library of about 1,800 volumes on architecture and the allied arts; a collection of 300 examples of American woods, shown in three sections each; and extensive collections of architectural drawings and of specimens of building materials, fittings, and appliances.

Civil Engineering.—The civil engineering department has samples of iron, steel, wood, brick, and stone; materials for roads and pavements; models of arches and trusses, one of the latter being full-sized details of an actual modern railroad bridge. The department also possesses a collection of photographs and blue-print working drawings of bridges, metal skeleton buildings, masonry structures, standard railroad construction, etc.

Electrical Engineering.—This department has a collection of samples illustrating standard practice in the industrial applications of electricity. There is also a rapidly growing collection of lantern slides, photographs, blue-prints, drawings, pamphlets, and other engineering data.

Mechanical Engineering.—This department includes in its equipment part of a set of Reuleaux models; models of valve gears; sections of steam pumps; injectors; valves; skeleton steam and water gauges; standard packings; steam-pipe coverings; and drop forgings. There are also examples of castings, perforated metal, defective boiler plates, and set of drills, with numerous samples of oil, iron, and steel. A large number of working drawings from leading firms form a valuable addition to these collections.

COLLEGE OF AGRICULTURE

The various agricultural departments maintain collections illustrative of their work; prominent among which are those showing typical specimens of standard varieties of corn; wax models of fruit and vegetables; a horticulture herbarium; specimens of breeds of live stock; a collection of farm machinery; and exhibits of negatives and samples showing the progress of certain investigations, especially with fruit, crops, and soils.

See further the description of the facilities for instruction and methods of work of the departments of agronomy, animal husbandry, dairy husbandry, and horticulture, pages 186-189.

LIBRARY SCHOOL

The School has made a collection of books and pamphlets on library science; of library reports and catalogs; of mounted samples showing methods of administration in all departments; of labor-saving devices and fittings; and of photographs and lantern slides illustrating the history of books and libraries.

LIBRARIES

(For the Library Staff See Page 42.)

The general University Library includes all the books belonging to the colleges and schools of the University which are situated in Urbana. The libraries of the Colleges of Medicine and Dentistry and the School of Pharmacy are in Chicago.

On October 1, 1911, the several libraries contained the following numbers of bound volumes and pamphlets:

	Volumes.	Pamphlets.
General library, including departmental collections	194,493	22,000
State Laboratory of Natural History library	7,690	18,200
Pedagogical library	600	3,550
Quine medical library	13,500	.....
Pharmacy library	2,000	.....

The Library receives about 1,900 serial publications.

The General Library is housed, for the most part, in the Library building, and is for the use of the whole University. The officers of instruction and administration of the University, the graduate students, and the members of the senior class have direct access to the shelves; other students may have this privilege upon the recommendation of their instructors. All students have the direct use of 10,700 volumes in the reading rooms, and in addition graduate students have the use of the seminar libraries.

As a part of the Library are included several special collections: *The University of Illinois collection,* including printed material illustrating the history of the University: about 300 volumes. *College Publications collection,* comprising the catalogs, announcements, reports, studies, etc., of other educational institutions: about 4,900 volumes. *Theses collection,* a complete file of the original copies of the theses presented for graduation from the University of Illinois; they are bound and filed by years: 1,800 volumes. *The Dziatzko collection of Library Economy,* bought in 1905, the entire library of Karl Dziatzko, librarian of Göttingen University: 300 volumes, 250 pamphlets. *The Dittenberger collection of the Classics,* bought in 1907, the entire library of Wilhelm Dittenberger, professor of Classical Philology in the University of Halle: 5,600 items. *The Heyne collection,* purchased by the University in 1909, the philological library of Professor Moritz Heyne, of the University of Göttingen: about 5,000 items, principally on German philology and literature. *The Karsten collection,* principally on French and German philology and literature, the library of the late Professor Karsten, presented by Mrs. Karsten.

Twenty-one seminar and departmental collections are maintained in various buildings on the campus. The six seminars established this year in Lincoln Hall are primarily reference collections for the use of graduate students and advanced undergraduate students in the departments using that building. The hours of opening and the regulations for the use of these collections usually differ somewhat from the regulations printed below.

Mason Library of Western History. The library of western history collected by Edward G. Mason, Esq., long president of the Chicago Historical Society, is in the Public Library of the city of Champaign, and is accessible to students in the University.

Regulations. The General Library is primarily for free reference use. The privilege of drawing books is accorded to all officers of instruction and government, to all registered students, and to other accredited persons. Books not reserved for classes may be borrowed for home use for two weeks, and may be renewed for two weeks more if not specially restricted or called for. All books are subject to recall at any time when needed for university work.

General reference books, books reserved for classes, all general periodicals, and certain other groups of books are to be consulted in the reading rooms only. They may not be loaned from the Library except when the reading rooms are closed. They must then be returned by the time the Library next opens.

Books from the stack which are not returned on time are subject to a fine of two cents a day. Books from the reference, reserve, and periodical shelves, as well as some special collections, are subject to a fine of twenty-five cents a day if kept overtime. Books recalled for university work must be returned at once upon receipt of the notice. If not returned within two days after notice is mailed a fine of twenty-five cents a day will be charged. All books lost or damaged must be replaced or paid for.

Hours of Opening. The General Library is open week days during the general session of the University, from 7:45 a. m. to 10 p. m., and on Sundays from 2 p. m. to 6 p. m. During the Summer Session, the Library is open from 7:45 a. m. to 10 p. m. on week days, but is not open on Sundays. During the summer vacation, the library is open from 9 a. m. to 12 m. Permits may be given for use at other hours. The Library is regularly closed on New Year's, Independence, Labor, Thanksgiving, and Christmas days.

ADMINISTRATION

GOVERNMENT

The government of the University is vested by law primarily in a Board of Trustees, consisting of twelve members. The Governor of the State, the Superintendent of Public Instruction, and the President of the State Board of Agriculture are members *ex officio*. The other nine members are elected by the people of the State for terms of six years; the terms of three members expire every second year.

The administration of the University is vested by the Board of Trustees in the President of the University, the Vice-President, the Senate, the Council of Administration, the Faculties of the several colleges, and the Deans of the colleges and Directors of the schools.

The President is the administrative head of the University.

The Vice-President has general oversight of the work of instruction, and acts for the President in case of his absence or disability.

The Senate is composed of the full professors and those other members of the faculty who are in charge of separate departments of the various colleges and schools. It is charged with the direction of the general educational policy of the University.

The Council of Administration is composed of the President, the Vice-President, the Dean of the Graduate School, the Deans of Men and Women, and the Deans of the separate colleges. It constitutes an advisory board to the President, and has exclusive jurisdiction over all matters of discipline. The Council does not determine educational policy; but when any matter arises which has not been provided for by common usage, or by rule of the Senate, and cannot be conveniently laid over till the next meeting of the Senate, the Council may act upon the same according to its discretion.

The Faculties of the colleges and schools of the University, composed of the members of the corps of instruction of these colleges and schools, have jurisdiction, subject to higher University authority, over all matters which pertain exclusively to these organizations.

The Dean of the Graduate School, the Deans of the several colleges, and the Directors of the schools are responsible for the carrying out of all University regulations within their respective departments.

The Dean of Men and the Dean of Women act as advisers to undergraduate students and are charged with general care of the conduct of these students.

DEPARTMENTS AND COURSES

For the purpose of administration, the University is divided into several colleges and schools. These are not educationally separate, but are interdependent, and form a single unit.

The colleges and schools are as follows:

I. The College of Literature and Arts
II. The College of Science
III. The College of Engineering
IV. The College of Agriculture
V. The Graduate School
VI. The Library School
VII. The School of Music
VIII. The School of Education
IX. The School of Railway Engineering and Administration
X. The College of Law
XI. The College of Medicine
XII. The College of Dentistry
XIII. The School of Pharmacy

The College of Literature and Arts offers courses in—

1. Philosophy and arts, including—
    (a) The ancient classical languages
    (b) The Romance languages
    (c) The Germanic languages
    (d) The English language and literature, including rhetoric
    (e) Mathematics
    (f) The political and social sciences—
        History
        Economics
        Accountancy
        Political science
        Sociology

- (g) Philosophical subjects—
  - Philosophy
  - Psychology
  - Education
- (h) Art
- (i) Household science

By the grouping of certain elective subjects students in this college are also offered opportunities for specific vocational training as follows:

2. Business Administration—
   - (a) General business
   - (b) Consular service
   - (c) Accountancy
   - (d) Banking
   - (e) Railway administration—
     - Railway traffic and accountancy
     - Railway transportation
   - (f) Journalism
3. Household science and administration
4. Preliminary to law

The College of Science offers courses in—

1. General Science, affording opportunity to specialize in:
   - (a) Astronomy
   - (b) Botany
   - (c) Chemistry
   - (d) Education
   - (e) Entomology
   - (f) Geology (including mineralogy)
   - (g) Household science
   - (h) Library science
   - (i) Mathematics
   - (j) Physics
   - (k) Physiology
   - (l) Psychology
   - (m) Zoology
2. Chemistry
3. Chemical engineering
4. Ceramics
5. Ceramic engineering
6. Household science
7. Science and medicine (combined course)
8. Science and engineering (combined course)

The College of Engineering offers courses in—

1. Architecture
2. Architectural engineering
3. Civil engineering
4. Electrical engineering
5. Mechanical engineering
6. Mining engineering
7. Municipal and sanitary engineering
8. Railway civil engineering
9. Railway electrical engineering
10. Railway mechanical engineering

The College of Agriculture offers courses in—

1. Agronomy
2. Animal husbandry
3. Dairy husbandry
4. Floriculture
5. Horticulture
6. Household science
7. Landscape gardening
8. Teachers' course
9. Thremmatology
10. Veterinary science

Military science and *physical training* are provided in all the schools and colleges in Urbana.

The Graduate School offers courses in—

Philology, including the classical languages, Romance languages, Germanic languages, and English
Mathematics
Political and social sciences, including history, economics, sociology, and political science
Philosophy, including psychology and education
Physical sciences, including physics, chemistry, astronomy, and geology
Biology, including botany, zoology, entomology, and physiology
Engineering, including architecture, architectural engineering, civil engineering, electrical engineering, mechanical engineering, mechanics, mining engineering, municipal and sanitary engineering, and railway engineering
Agriculture, including agronomy, animal husbandry, dairy husbandry, floriculture, horticulture and thremmatology
Household science

The Library School offers a professional course of two years in preparation for the work of the librarian, leading to the degree of Bachelor of Library Science. Graduation from a college or university of approved standing is required for admission to the Library School.

The School of Music offers courses in vocal and instrumental music, leading to the degree of Bachelor of Music; and provides training in public school methods in music.

The School of Education enrolls, at the beginning of the junior year, students already registered in other colleges of the University who are preparing to teach, and directs their work for the remaining two years.

The School of Railway Engineering and Administration offers courses of study leading to the degree of Bachelor of Science in railway civil, railway electrical, and railway mechanical engineering; and also courses in railway transportation and in railway traffic and accountancy leading to the degree of Bachelor of Arts.

The Courses in Business Administration virtually constitute a school of commerce. They include courses in social and industrial economics, consular service, accountancy, banking, railway administration, and journalism, leading to the degree of Bachelor of Arts.

The College of Law offers a course of three years leading to the degree of Bachelor of Law. One year of college work in an institution of approved standing is required for admission to the College of Law.

Students holding the bachelor's degree in arts or sciences may become candidates in this College for the degree of Doctor of Law (J.D.).

The College of Medicine offers a course of four years leading to the degree of Doctor of Medicine; and, in conjunction with the College of Science, a course of six years, leading to the two degrees of Bachelor of Arts and Doctor of Medicine.

The College of Dentistry offers a three-year course leading to the degree of Doctor of Dental Surgery.

The School of Pharmacy offers courses in the branches necessary to a scientific and practical knowledge of pharmacy, including pharmacy, chemistry, materia medica, botany, physics, and physiology. The courses lead to the degrees of Graduate in Pharmacy and Pharmaceutical Chemist.

The Summer Session, of eight weeks, offered in 1911 courses in accountancy, agricultural education, art and design, botany, chemistry, drawing (general engineering), economics, education, English, entomology, French, German, history, household science, Latin, manual training, mathematics, mechanical engineering, mechanics (theoretical and applied), microscopical technique, philosophy, physical geography, physical training for men and for women, physics, political science, psychology, rhetoric, sociology, Spanish, and zoology.

All the courses given in the Summer Session are of collegiate grade and may be counted toward the bachelor's degree. Certain advanced courses may be counted toward the master's degree.

ADMISSION

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An applicant for admission to any of the colleges or schools of the University must be at least sixteen years of age, and must offer credit for fifteen units* of high school or other secondary school work, so chosen as to include those prescribed for the particular college he desires to enter.

This credit can be secured by—

(a) Examination (see page 97).
(b) A certificate from an accredited high school (see page 99).
(c) Transfer from another university or college (see page 105).

ENTRANCE REQUIREMENTS

I

Of the 15 units required, the following 5½ units are *prescribed* for admission to the freshman class in *all* the colleges of the University, and no substitutes are accepted:

List A. Units Prescribed by All the Colleges

Algebra†	1½ units
English composition	1 unit
English literature	2 units
Geometry, plane	1 unit

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* A unit is the amount of work represented by the pursuit of one preparatory subject, with the equivalent of five forty-minute recitations a week, through 36 weeks; or, in other words, the work of 180 recitation periods of forty minutes each, or the equivalent in laboratory or other practice.

† For the College of Medicine, only one unit of work in Algebra is required (see page 261).

II

Of the 9½ units that remain, certain others are *prescribed* for admission *by individual colleges,* and in each case no substitutes are accepted by the college in question.

Units Prescribed in addition by Individual Colleges

By the College of Literature and Arts:	
History	1 unit
Foreign languages[1]	3 or 4 units
By the Colleges of Science[2] and Agriculture:	
Science	2 units
By the College of Engineering:	
Solid and spherical geometry	½ unit
Physics	1 unit
By the School of Music:	
History	1 unit
Foreign languages[3]	3 units
Music	2 units

III

The remainder of the required 15 units—after those *prescribed* (1) by all the colleges, and (2) by the individual college desired, have been counted—must be made up from the subjects in Lists B and C below. For the College of Literature and Arts, only two units from List C may be offered. For the Colleges of Science, Engineering, and Agriculture, three units from List C are accepted. No subject is accepted for an amount less than the minimum, or greater than the maximum, mentioned in the lists.

List B. Electives

Astronomy	18 weeks	½ unit
Botany	18 or 36 weeks	½ or 1 unit
Chemistry	36 weeks	1 unit
Civics	18 or 36 weeks	½ or 1 unit

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[1] The foreign language requirement in the College of Literature and Arts may be met by the presentation of (a) three units in the same language, or (b) two units in each of two languages. Three units in Latin must be presented if the student wishes to pursue the study of that subject in the University.

[2] Two years of German are prescribed (as well as two units in science) for admission to the course in chemical engineering in the College of Science.

[3] At least two of these must be in the same language.

Commercial geography	18 weeks	½ unit
Drawing	18 or 36 weeks	½ or 1 unit
English literature (3rd unit)	36 weeks	1 unit
French	36 to 144 weeks	1 to 4 units
Geology	18 or 36 weeks	½ or 1 unit
Geometry, solid and spherical	18 weeks	½ unit
German	36 to 144 weeks	1 to 4 units
Greek	36 to 108 weeks	1 to 3 units
History	36 to 108 weeks	1 to 3 units
Latin	36 to 144 weeks	1 to 4 units
Physics	36 weeks	1 unit
Physical geography	18 or 36 weeks	½ or 1 unit
Physiology	18 or 36 weeks	½ or 1 unit
Spanish	36 to 72 weeks	1 to 2 units
Trigonometry	18 weeks	½ unit
Zoology	18 or 36 weeks	½ or 1 unit

List C. Additional Electives*

Agriculture	36 to 72 weeks	1 to 2 units
Bookkeeping	36 weeks	1 unit
Business law	18 weeks	½ unit
Domestic science	36 weeks	1 unit
Economics	18 weeks	½ unit
Manual training†	36 to 72 weeks	1 to 2 units

SUMMARY BY COLLEGES

The requirements listed above may be summarized by colleges as follows:

For the College of Literature and Arts:

I.	List A (prescribed by all the colleges)	5½ units
II.	Special prescriptions by this college—	
	History	1 unit
	Foreign languages (see foot-note, p. 86)	3 or 4 units
III.	Electives (not more than 2 units from List C)	5½ or 4½ units
		15 units

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* The subjects named in List C must be taught in accordance with specifications which are set forth in the High School Manual. Further information may be had on application to the High School Visitor.

† In giving credit for manual training the University specifies that the work is to be done by competent teachers, as determined by inspection, and that credit shall not exceed one unit for 360 forty-minute periods of work, including the necessary drawing and shop work.

For the Colleges of Science and Agriculture:

I.	List A (prescribed by all the colleges)	5½ units
II.	Special prescription by these colleges—	
	Science*	2 units
III.	Electives (not more than 3 units from List C)	7½ units
		15 units

For the College of Engineering:

I.	List A (prescribed by all the colleges)	5½ units
II.	Special prescriptions by this college—	
	Solid and spherical geometry	½ unit
	Physics	1 unit
III.	Electives (not more than 3 units from List C)	8 units
		15 units

For the School of Music:

I.	List A (prescribed by all departments)	5½ units
II.	Special prescriptions by this school—	
	History	1 unit
	Foreign languages (see foot-note 3, page 86)	3 units
III.	Electives	5½ units
		15 units

Admission to Other Departments

For admission to the professional departments of the University, the Colleges of Law, Medicine, and Dentistry, the Library School, and the School of Pharmacy, see the announcements of those departments below: College of Law, page 251; College of Medicine, page 257; College of Dentistry, page 275; Library School, page 214; School of Pharmacy, page 279.

DESCRIPTION OF SUBJECTS ACCEPTED FOR ADMISSION

The amount of work in each of the foregoing subjects which corresponds to the minimum number of credits assigned is shown by the description of subjects below.

1. Agriculture.—Courses in agriculture should be arranged for periods of not less than nine weeks each, any two of which may be

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* See also, for the College of Science, footnote 2 on page 86.

accepted for a half unit of credit, providing the work covered by each is so closely related in its parts as to constitute one of the generally accepted divisions now recognized in agricultural work, namely, crops and crop production, soils and soil fertility, dairy husbandry, animal types and animal nutrition, poultry, fruits and vegetables, landscape gardening, farm mechanics. At least one-half the time should be devoted to laboratory work, and note-books should be presented.

2. ALGEBRA.—Fundamental operations, factoring, fractions, simple equations, involution, evolution, radicals, quadratic equations and equations reducible to the quadratic form, surds, theory of exponents, and the analysis and solution of problems involving these.

3. ASTRONOMY.—In addition to a knowledge of the descriptive matter in a good text-book, there must be some practical familiarity with the geography of the heavens, with the various celestial motions, and with the positions of the conspicuous naked-eye heavenly bodies.

4. BOOKKEEPING.—The bookkeeping unit for college entrance should consist of a working knowledge of single and double entry bookkeeping in the usual lines of business. The student should be able to change his books from single to double entry, from individual to partnership, and from partnership to corporate form of organization. He should understand the use of the various books and papers which arise in any ordinary business. He should know how to keep a set of books, both single and double entry, in retail and in wholesale or jobbing business and manufacturing involving the use of the voucher system. His work should be done under the immediate supervision of a teacher, and he should devote at least ten periods, of not less than forty-five minutes each, per week for one school year, to this subject.

5. BOTANY.—A familiar acquaintance with the general structure of plants, and of the principal organs and their functions, derived to a considerable extent from a study of the objects, is required; also a general knowledge of the main groups of plants; and the ability to classify and name the more common species. Laboratory note-books and herbarium collections should be presented.

6. BUSINESS LAW.—The amount of business law which is accepted is indicated by the ground covered in any of the ordinary text-books on the subject, such as Spencer's Elements of Commercial Law, Burdick's Business Law, and White's Elements of Commercial Law.

7. CHEMISTRY.—The instruction must include both text-book and laboratory work. The work should be so arranged that at least one-half of the time shall be given to the laboratory. The course as it is given in the best high schools in one year will satisfy the requirements of the University for the one unit for admission. The laboratory notes, bearing the teacher's indorsement, must be presented as evidence of the actual laboratory work accomplished. Candidates for admission may be required to demonstrate their ability by laboratory tests.

8 CIVICS.—Such an amount of study of the American Government, its history and interpretation, as is indicated by any of the usual high school text-books on civil government, is regarded as sufficient for one term. The work may advantageously be combined with the elements of political economy.

9. COMMERCIAL GEOGRAPHY.—The amount and character of the work accepted in this subject is indicated by the scope of such books as Redway's Commercial Geography, Adam's smaller book on the same subject, the text-books of Brigham, or Robinson, or Trotter's work

10. DOMESTIC SCIENCE.—(a) An equivalent of 180 hours of prepared work with at least two recitation periods a week in foods. (b) An equivalent of 180 hours of prepared work with at least one recitation period a week in clothing. (c) An equivalent of 180 hours of prepared work with at least two recitation periods a week on the home. (Two periods of laboratory work are considered equivalent to one period of prepared work.) Of the foregoing, (a) will be accepted as a unit's work; or two half units taken from (a) and (b), or (a) and (c), or (b) and (c) will be accepted as a unit's work. The work is to be done by trained teachers with individual equipment, as determined by inspection.

11. DRAWING.—Free-hand or mechanical drawing, or both. Drawing-books or plates must be submitted. The number of credits allowed depends on the quantity and quality of the work submitted.

12. ECONOMICS.—The principles of economics, with economic history, as given in any good elementary text-book.

13. ENGLISH COMPOSITION AND RHETORIC.—Correct spelling, capitalization, punctuation, paragraphing, idiom, and definition; the elements of rhetoric. The candidate will be required to write two paragraphs of about one hundred fifty words each to test his ability to use the English language. This work counts for one unit.

14. ENGLISH LITERATURE.—(a) Each candidate is expected to

have read certain assigned literary masterpieces, and will be subjected to such an examination as will determine whether or not he has done so. With a view to a large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units are to be selected, two from each group. Each unit is here set off by semicolons.

I. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; Vergil's Aeneid. The Iliad, the Odyssey, and the Aeneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespeare's Merchant of Venice; Midsummer Night's Dream; As You Like It; Twelfth Night; Henry the Fifth; Julius Caesar.

III. Defoe's Robinson Crusoe, Part I; Goldsmith's Vicar of Wakefield; either Scott's Ivanhoe or Quentin Durward; Hawthorne's House of Seven Gables; either Dickens's David Copperfield or Tale of Two Cities; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; George Eliot's Silas Marner; Stevenson's Treasure Island.

IV. Bunyan's Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography (condensed); Irving's Sketch Book; Macaulay's Essays on Lord Clive and Warren Hastings; Thackeray's English Humorists; selections from Lincoln, including the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter to Horace Greeley, with a brief memoir or estimate; Parkman's Oregon Trail; either Thoreau's Walden or selections from Huxley's Lay Sermons; Stevenson's Inland Voyage and Travels with a Donkey.

V. Palgrave's Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, Burns; Gray's Elegy in a Country Churchyard and Goldsmith's Deserted Village; Coleridge's Ancient Mariner and Lowell's Vision of Sir Launfal; Scott's Lady of the Lake; Byron's Childe Harold, Canto IV, and Prisoner of Chillon; Palgrave's Golden Treasury

(First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley; Poe's Raven, Longfellow's Courtship of Miles Standish, Whittier's Snow Bound; Macaulay's Lays of Ancient Rome and Arnold's Sohrab and Rustum; Tennyson's Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.

(b) In addition to the foregoing the candidate will be required to present a careful, systematic study, with supplementary reading, of the history of either English or American literature.

(c) The candidate will be examined on the form and substance of certain books in addition to those named under (a). For 1912 the books will be selected from the list below. The examination will be of such a character as to require a minute study of each of the works named in order to pass it successfully. The list is:

Shakespeare's Macbeth; Milton's Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns.

The work outlined in (a), (b), and (c) counts for two units.

(d) The three units in English composition, rhetoric, and literature, as described above, are required for all students. A fourth unit may be obtained for one full year's additional work in the study of English and American authors.

15. French.—*First year's work.*—The candidate must have a thorough knowledge of elementary grammar and the irregular verbs; must be able to pronounce correctly, and to translate simple spoken French phrases. He must have read some 300 pages of easy prose, including one modern comedy, and must be able to translate ordinary French prose at sight.

Second year's work.—In addition to the foregoing, the candidate must show proficiency in advanced grammar, the essentials of syntax, and elementary composition. The reading of not less than 400 pages of standard authors, including two plays of Molière, is required.

Third year's work.—In addition to what has already been described, the candidate must have had further work in composition. He must further have read not less than 500 pages of standard authors, including Molière, La Fontaine, and Hugo. Some acquaintance with modern lyrics is necessary.

Fourth year's work.—The fourth year should be a broadening and deepening of the work previously done. Careful attention should be given to the more intricate problems of syntax, and the work in composition should be of a high order, taking up the greater difficulties of grammar. Standard and classical authors should be read to the extent of some 700 pages.

16. GEOLOGY.—The student must show familiarity with the principles of dynamic and structural geology, and some acquaintance with the facts of historical geology as presented in Scott's Introduction to Geology, Brigham's Text-book of Geology, or an equivalent, together with at least an equal amount of time spent in laboratory and field work. The laboratory work should follow one or more of the lines indicated below, and note-books should be presented showing the character and amount of work done. (a) Studies of natural phenomena occurring in the neighborhood which illustrate the principles of dynamic geology. Each study should include a careful drawing of the object and a written description of the way in which it was produced. (b) Studies of well-marked types of crystalline, metamorphic, and sedimentary rocks which will enable the student to recognize each type and state clearly the conditions under which it was formed. (c) Studies of minerals of economic value, including the characteristics of each, its origin, and the uses to which it is put. (d) Studies of the types of soil occurring in the neighborhood, including the origin of each and the cause of differences in appearance and fertility.

17. GEOMETRY.—(a) *Plane Geometry.* Special emphasis is placed on the ability to use propositions in the solution of original numerical exercises and of supplementary theorems.

(b) *Solid and Spherical Geometry.* Applications to the solution of original exercises are emphasized.

18. GERMAN.—*First year's work.*—Elementary grammar. Besides the work in grammar, the student should read not less than 150 pages of easy narrative or descriptive prose.

Second year's work.—In addition to the work outlined under the one year's requirement, the pupil should know the syntax of cases, the uses of the subjunctive and infinitive, complex sentence structure, and the uses of modal auxiliaries and of participial constructions. As an additional reading requirement, from 250 to 300 pages should be translated. Prose composition.

Third year's work.—The third year's study should aim to secure an easy reading knowledge of the language. Not less than 100 pages of standard prose, of the grade represented by Freytag, Dahn, or Keller, should be read; together with selections from the easier classic dramas. Schiller's Wilhelm Tell or Jungfrau von Orleans.

Fourth year's work.—The fourth year of study should be devoted to such works as Goethe's Iphigenie, Tasso, Hermann und Dorothea, or Schiller's Die Braut von Messina; some consideration of the chief lyric poets; prose compositions and some practice in theme writing.

19. GREEK.—*First year's work.*—The exercises in any of the beginning books, and one book of the Anabasis or its equivalent.

Second year's work.—Two additional books of the Anabasis and three of Homer, or their equivalents, together with an amount of Greek prose composition equal to one exercise a week for one year.

Third year's work.—Three additional books of the Iliad, three of the Odyssey, and Books VI, VII, VIII of Herodotus, or an equivalent from other authors.

20. HISTORY.—One, two, or three units may be presented, to be chosen from the following list:

Ancient history to 800 A. D., one unit.
Medieval and modern history, one unit.
English history, one-half or one unit.
American history, one-half or one unit.

Examinations for entrance will be given in all these subjects. The examination for each unit is intended to cover one full year of high school work.

21. LATIN.—*First year's work.*—Such knowledge of inflections and syntax as is given in any good preparatory Latin book, together with the ability to read simple fables and stories.

Second year's work.—Four books of Cæsar's Gallic War, or its equivalent in Latin of equal difficulty; the ability to write simple Latin based on the text.

Third year's work.—Six orations of Cicero; the ability to write simple Latin based on the text; the simpler historical references and the fundamental facts of Latin syntax.

Fourth year's work.—Six books of Vergil, with history and mythology; the scansion of hexameter verse.

22. MANUAL TRAINING.—The requirement for one-half unit is the equivalent of 180 forty-minute periods in manual training following the syllabus prepared by the manual training section of the High School Conference.

23. PHYSICS.—One year's high school work covering the elements of physical science as presented in the best of the current high

school text-books of physics. Laboratory practice in elementary quantitative experiments should accompany the text-book work. The candidate's laboratory note-book will be considered as part of the examination.

24. Physical Geography.—The amount and character ot the work required may be seen by referring to the texts of Gilbert and Brigham, or Davis; the recitations must be supplemented by at least an equal amount of time devoted to laboratory work. The laboratory exercises should follow one or more lines such as are indicated below. Each student should present a note-book showing what he has done.

(a) Studies in mathematical geography in which map and scale only are used. These should embrace such topics as length of a degree in longitude in various latitudes; length and breadth of continents, etc., in degrees and miles; relative latitudes of places; distances between cities, etc., in degrees and miles; difference in length of parallels and meridians; problems in time; location of time belts, etc.

(b) Studies of local topographic features which illustrate the various phases of stream work. Each study should include a drawing or topographic map of the object, and a full, clear description of the way in which it was formed.

(c) Studies of glacial deposits as shown in terminal and ground moraines, kames, eskers, etc.; distribution of dark and light colored soils; occurrences of lakes, ponds, gravel beds, clay banks, and water-bearing strips of sand and gravel.

(d) Studies of stream work as shown in the topographical sheets which may be obtained from the United States Geological Survey at a nominal cost.

(e) Studies of the form, size, direction and rate of movement of high and low barometer areas, and the relation of these to direction of wind, character of cloud, distribution of heat, and amount of moisture in the air, as shown in the daily weather maps. Later these studies should lead to the making of weather maps from the data furnished by the daily papers, and to local prediction of weather changes based on the student's own observation.

(f) Studies of the climate of various countries compared with our own, the necessary data being derived from such topographic, rainfall, wind, current, and temperature maps as are found in Sydow-Wagner's or Longman's atlases.

25. Physiology.—For one-half unit: The anatomy, histology, and physiology of the human body and the essentials of hygiene,

taught with the aid of charts and models to the extent shown in Martin's Human Body (Briefer Course). For more than one-half unit, the course must include practical laboratory work.

26. SPANISH.—*First year's work.*—Elementary grammar, including thorough drill in the irregular verbs; careful training in pronunciation, and translation of simple Spanish when spoken; reading of some 200 or 250 pages of easy prose; simple composition and dictation.

Second year's work.—In addition to the foregoing, about 350 pages of modern prose; elementary syntax; dictation, composition, and translation of spoken Spanish continued.

27. TRIGONOMETRY.—The work should cover the field of plane trigonometry, as given in standard text-books, including the solution of right and oblique triangles. Special emphasis is placed upon the solution of practical problems, trigonometric identities, and trigonometric equations.

28. ZOOLOGY.—The instruction must include laboratory work equivalent to four periods a week for a half-year, besides the time required for text-book and recitation work. Note-books and drawings must be presented to show the character of work done and the types of animals studied. The drawings are to be made from the objects themselves, not copied from illustrations, and the notes are to be a record of the student's own observation of the animals examined. The amount of equipment and the character of the surroundings must, of course, determine the nature of the work done and the kind of animals studied; but in any case the student should have at least a fairly accurate knowledge of the external anatomy of each of eight or ten animals distributed among several of the larger divisions of the animal kingdom, and should know something of their life histories and of their more obvious adaptations to environment. It is recommended that special attention be given to such facts as can be gained from a careful study of the living animal. The names of the largest divisions of the animal kingdom, with their most important distinguishing characters, and with illustrative examples selected, when practicable, from familiar forms, ought also to be known.

(a) ADMISSION BY EXAMINATION

Each candidate for admission by examination is required to pass examinations on—

I. The subjects prescribed by all the colleges (List A, p. 85).
II. The subjects prescribed in addition by the individual college he wishes to enter (see page 86).
III. A sufficient number of electives to make up the required total of 15 units (see Lists B and C, pages 86, 87).

1. The University Entrance Examinations (In September)

The entrance examinations cover the subjects as outlined on pages 88-96. They are given at the University in accordance with the program given below.

Program of Entrance Examinations, 1912[1]

September 11, 12, 13, 14

Chemistry, 1 unit	Wed.,	Sept. 11,	9:00 a.m.
Geology, ½ unit, or 1 unit	Wed.,	Sept. 11,	9:00 a.m.
Astronomy, ½ unit	Wed.,	Sept. 11,	11:00 a.m.
History, 1, 2, or 3 units	Wed.,	Sept. 11,	1:00 p.m.
Physical geography, ½ unit, or 1 unit	Wed.,	Sept. 11,	3:30 p.m.
English literature, 2 units	Thurs.,	Sept. 12,	8:00 a.m.
English composition, 1 unit	Thurs.,	Sept. 12,	10:30 a.m.
Latin, 1st unit, or 2d unit, or both	Thurs.,	Sept. 12,	1:00 p.m.
Trigonometry, ½ unit	Thurs.,	Sept. 12,	1:00 p.m.
Domestic Science, 1 unit	Thurs.,	Sept. 12,	1:00 p.m.
Physics, 1 unit	Thurs.,	Sept. 12,	3:30 p.m.
Algebra, 1½ units	Fri.,	Sept. 13,	8:00 a.m.
Civics, ½ unit, or 1 unit	Fri.,	Sept. 13,	10:30 a.m.
Economics, ½ unit	Fri.,	Sept. 13,	10:30 a.m.
Geometry, plane, 1 unit	Fri.,	Sept. 13,	1:00 p.m.
Geometry, solid and spherical, ½ unit	Fri.,	Sept. 13,	3:30 p.m.
Physiology, ½ unit, or 1 unit	Fri.,	Sept. 13,	3:30 p.m.
German, 1st unit, or 2nd unit, or both	Sat.,	Sept. 14,	8:00 a.m.
German, 3rd unit, or 4th unit, or both	Sat.,	Sept. 14,	10:30 a.m.
French, 1st unit, or 2nd unit, or both	Sat.,	Sept. 14,	8:00 a.m.
French, 3rd unit, or 4th unit, or both	Sat.,	Sept. 14,	10:30 a.m.
Spanish, 1st unit, or 2nd unit, or both	Sat.,	Sept. 14,	8:00 a.m.
Business law, ½ unit	Sat.,	Sept. 14,	8:00 a.m.
Commercial geography, ½ unit	Sat.,	Sept. 14,	10:30 a.m.

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[1] The examinations in 1913 will probably be held September 10-13.

Bookkeeping, 1 unit	Sat., Sept. 14,	1:00 p.m.
Latin, 3rd unit, or 4th unit, or both	Sat., Sept. 14,	1:00 p.m.
Botany, ½ unit, or 1 unit	Sat., Sept. 14,	1:00 p.m.
Zoology, ½ unit, or 1 unit	Sat., Sept. 14,	3:30 p.m.

The time for examinations in agriculture, free-hand drawing, Greek, and manual training will be arranged with candidates.

2. The College Entrance Examination Board Examinations (in June)

The certificate of the College Entrance Examination Board will be accepted for admission in any subject in the lists on pages 85-87, under the usual restrictions of the University governing amount of credit and grade. These examinations will be held during the week of June 17-22, 1912.

All applications for examination must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board upon application.

Applications for examination at points in the United States east of the Mississippi River, also at Minneapolis, St. Louis and other points on the Mississippi River, must be received by the Secretary of the Board at least two weeks in advance of the examinations; that is, on or before Monday, June 3, 1912; applications for examination elsewhere in the United States or in Canada must be received at least three weeks in advance of the examinations; that is, on or before Monday, May 27, 1912; and applications for examination outside of the United States and Canada must be received at least five weeks in advance of the examinations; that is, on or before Monday, May 13, 1912.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidate concerned, but only upon the payment of $5.00 in addition to the usual fee.

The examination fee is $5.00 for all candidates examined at points in the United States and Canada, and $15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board in June, 1912, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

(b) ADMISSION BY CERTIFICATE FROM AN ACCREDITED PREPARATORY OR HIGH SCHOOL

One wishing to enter the University from an accredited school must furnish the Registrar an official certificate of his preparatory work. If the certificate meets in full the requirements for admission to the college or school in which the course which the candidate wishes to pursue is given, he will be granted a permit to enter.

If the certificate is deficient, either because the school is not fully accredited, or because the candidate has not taken prescribed and other acceptable work in sufficient amount, he may be admitted as a "conditioned" student, *provided* the deficiencies do not exceed two units and are not in work which should precede the prescribed courses of the first semester. *The conditioned student must clear off all conditions before registering the second year.*

Blank certificates may be had of the Registrar. They should be obtained early, and should be filled out and sent in to him for approval as soon as possible after the close of the high school year in June. Certificates received at the University after September 10 are held until the arrival of the student unless such certificates are accompanied by an addressed envelope with a special delivery stamp affixed.

Entrance credits will be accepted *on certificate* from the following sources, in addition to the schools named in the list beginning on page 100.

1. From schools accredited by the North Central Association of Colleges and Secondary Schools.

2. From schools accredited to the state universities which are included in the membership of the North Central Association.

3. From the state normal schools of Illinois, and other state normal schools having equal requirements for graduation.

4. From schools approved by the New England College Entrance Certificate Board.

5. From examinations held by the College Entrance Examination Board. (See page 98.)

6. From examinations conducted by the Regents of the University of the State of New York.

LIST OF ACCREDITED SCHOOLS

[Correct to January 1, 1912]

The following high schools, having all the *prescribed* units, and enough others to make up the *required total* of 15 units, are in the list of fully accredited schools.

Not all these schools, however, are accredited for the same amount of work, nor all for the same subjects. A student presenting a certificate from any one of these schools will be given entrance credit for all the subjects named therein *for which the said school is specifically accredited, as shown in the certificate of its accredited relation issued by the University.*

The High School Visitor of the University inspects high schools not previously accredited upon request, if the request is accompanied by a report of the school which shows that it merits such inspection. The University accredits all work which is thus found to be sufficiently well done. For further particulars address The High School Visitor, in care of the University of Illinois.

FULLY ACCREDITED SCHOOLS

School	Superintendent	Principal
Abingdon	A. C. Butler	W. B. Rose
Albion	Lewis Ogilvie	L. V. Matheny
Aledo	F. N. Taylor	Ida H. Way
Altamont		Wm. Harris
Alton	R. A. Haight	B. C. Richardson
Amboy	George W. Beattie	Louise A. James
Anna	F. C. Prowdley	Chas. McGinnis
Arcola	P. M. Hoke	Ethel Pearson
Arispie, Indiantown Tp. (Tiskilwa)	N. N. Stevenson	F. H. Oravan
Arlington Heights	A. E. Hubbard	A. E. Hubbard
Ashland	James G. Norris	Fannie E. Gillan
Astoria	J. R. Rowland	Acelia M. Leach
Assumption Tp.		H. G. Spear
Atlanta	N. J. Robinson	Ira M. Wrigley
Auburn	G. P. Chapman	Grace L. Clagett
Augusta	C. B. Whitehouse	A. E. Decker
Augustana Col. Acad. (Rock Island)		C. W. Foss
Aurora East	C. M. Bardwell	M. O. Roark
Aurora West	C. E. Douglass	O. O. White
Averyville (Peoria P. O.)	Harry E. Iler	Erna Reller
Barry	Chas. E. Kuechler	May E. Crawford
Batavia	H. A. Bone	K. C. Merrick
Beardstown	H. G. Russell	Mrs. H. G. Russell
Belleville	George H. Busiek	H. W. Brua
Bellflower Tp.		P. M. Watson

School	Superintendent	Principal
Belvidere North	Eugene D. Merriman	Flora Fellows
Belvidere South	George N. Bradley	W. E. Hendrickson
Bement	H. A. Paine	Everett Williams
Benton Tp.		James A. Porter
Biggsville Tp.		A. E. Robinson
Bloomington	J. K. Stableton	William Wallis
Bloom Tp. (Chicago Heights)		E. L. Boyer
Blue Island	J. E. Lemon	J. E. Lemon
Bradley Poly. Inst. (Peoria)		T. C. Burgess, Dir.
Bridgeport Tp.		J. A. Davis
Bushnell	R. C. Hiett	Leila Brown
Cairo	T. C. Clendenen	Adolph Gore
Cambridge	T. F. McLamarrah	Mabel Gabrielson
Camp Point	W. H. Brewster	Lena P. Roath
Canton	G. W. Galer	Ira P. Rinker
Carlinville	H. Ambrose Perrin	Margaret Hubbard
Carlyle	M. N. Todd	Nellie G. Steele
Carmi	Joseph Gerschbacher	Ernest V. Price
Carrollton	Edwin A. Doolittle	Harry Diehl
Carterville	R. G. Cresenberry	L. L. Jones
Carthage	David H. Wells	J. A. Johnston
Carthage College Academy		H. D. Hoover, Pres.
Casey	E. W. Powers	W. G. Thompson
Catlin	J. F. Dodson	William Snodgrass
Centralia Tp.		W. R. Spurrier
Champaign	W. W. Earnest	Lottie Switzer
Charleston	DeWitt Elwood	Lester R. McCarty
Chatsworth	Wm. A. Baylor	Bessie Baxter
Chenoa	A. B. Hiett	Maude Fairfield
Chester	J. M. Brewer	J. L. Bowman
Chicago	Mrs. Ella Flagg Young	
Austin		Geo. H. Rockwood
Bowen		Chas. I. Parker
Calumet		Avon S. Hall
Carl Schurz		Walter F. Slocum
Crane, R. T. (Tech.)		W. J. Bartholf
Curtis		Thos. G. Hill
Englewood		Jas. E. Armstrong
Hyde Park		Hiram B. Loomis
Lake		Edward F. Stearns
Lake View		Benj. F. Buck
Lane Technical		W. J. Bogan
McKinley		Geo. M. Clayberg
Marshall		Louis J. Block
Medill		Albert A. Sabin
Morgan Park		J. H. Heil
Tuley		Franklin P. Fisk
Waller, Robert A.		Oliver S. Westcott
Wendell Phillips		Spencer R. Smith
Chicago Latin School		R. P. Bates
Chillicothe	Chas. C. Dickman	Catherine Scarry
Chrisman	C. S. Montooth	Helen E. Booker
Clayton	J. W. Morgan	J. W. Morgan
Clinton	H. H. Edmunds	Thos. J. Wilson
Colfax	A. M. Wells	Lida J. Smith
Collinsville Tp.	C. H. Dorris	A. E. Arendt
Crystal Lake	H. A. Dean	Elizabeth Hughes
Dallas City	F. M. Cockrell	M. M. Robinson
Danville	L. H. Griffith	C. E. Lawyer
Decatur	H. B. Wilson	S. W. Ehrman
Deerfield Tp. (Highland Park)		R. L. Sandwick
DeKalb Tp.		F. M. Giles
Delavan	R. W. Bardwell	Mabel Cowdin
Dixon	W. R. Snyder	Chas. H. Anderson
Dixon North	H. V. Baldwin	Jessie F. Wheeler
Downer's Grove	G. C. Butler	M. Maude Manley
Drummer Tp. (Gibson City)		B. L. Pilcher

School	Superintendent	Principal
Drury Academy (Aledo)		Frank Clare English, Pres.
Dundee	E. C. Fisher	Edna P. Beers
DuQuoin Tp.		C. W. Houk
Dwight	L. Grace Huff	C. A. Brothers
Earlville	H. L. Kessler	Nellie L. Smith
East St. Louis	D. Walter Potts	H. J. Alvis
Edwardsville	Chas. F. Ford	E. Irving Belote
Eldorado Tp.		Martin T. VanCleve
Elgin	Robert I. White	W. L. Goble
Elgin Academy		Geo. N. Sleight
Elizabeth	E. L. Bost	Hazel E. Nichols
Elmhurst	Guy Cantwell	R. L. Donaker
Elmwood	T. S. Henry	Jessie McNabb
ElPaso	W. P. Miller	Isabel M. Vandervort
Evangelical Proseminar (Elmhurst)		Daniel Irion, Dir.
Evanston Tp.		W. F. Beardsley
Evanston Academy		N. W. Helm
Fairbury	A. W. Inman	Rex Trabue
Fairfield	C. H. Wilson	H. D. Willard
Farmer City Tp.		John E. Demmer
Farmington	H. L. Dyar	Esther Hedquist
Ferry Hall (Lake Forest)		Frances Laura Hughes
Flora	C. Carley	St. John Wilton
Forrest	H. H. Baumgardner	Vera Moyer
Frances Shimer Academy (Mt. Carroll)		Wm. P. McKee, Dean
Frances W. Parker School (Chicago)		Flora J. Cooke
Freeport	S. E. Raines	L. A. Fulwider
Fulton	Harry B. Price	Eunice R. Blackburn
Galena	E. G. Mason	Katherine Obye
Galesburg	W. L. Steele	A. W. Willis
Galva	F. U. White	Lillie R. Paisley
Geneseo Tp.		A. J. Beatty
Geneseo Col. Inst.		F. E. Rice, Pres.
Geneva	F. D. McKittrick	R. G. Bell
Genoa	B. F. Kepner	Addie White
Georgetown	O. P. Rees	Elizabeth Holaday
Gilman	J. C. Reeder	Mabel Miller
Grand Prairie Sem. (Onarga)		H. H. Frost, Pres.
Granite City	L. P. Frohardt	H. D. Waggoner
Greenview	Lillian Showalter	Marie E. Wallin
Greenville	S. S. Simpson	Mamie E. Graff
Griggsville	W. L. Hagan	Roberta Amrine
Hamilton	H. M. Billingsley	Philena Clarke
Harrisburg Tp.		Harry Taylor
Harvard	J. H. Light	John Almon
Harvard School (Chicago)		J. J. Schobinger
Havana	S. J. Curlee	Mrs. S. E. Pierce
Henry	Phillipine Marie Pfaff	Willard E. King
Herrin	P. H. Hellyer	Geo. H. Moseley
Heyworth	C. L. McCabe	Alpha Myers
Highland	C. D. Dietz	H. C. Zies
Hillsboro	H. L. Cox	Harry J. Beckemeyer
Hinsdale	H. B. Fisher	Ora Whitmore
Hittle Township (Armington)		A. C. Boyce
Homer	J. O. Stanberry	H. L. Tate
Hoopeston	S. K. McDowell	Helen A. Mills
Hume	D. F. McCash	D. F. McCash
Illiopolis	W. P. Sullivan	H. E. Dickerson
Ill. Woman's Col. Acad. (Jacksonville)		Jos. R. Harker, Pres.
Jacksonville	W. A. Furr	R. O. Stoops
Jennings Seminary (Aurora)		Bertha A. Barber
Jerseyville	J. Pike	Edward B. Shafer
John Swaney School (McNabb)		R. L. Eyman
Joliet Tp.		J. Stanley Brown
J. Sterling Morton Tp. (Cicero)		H. V. Church
Kankakee	F. N. Tracy	Chas. H. Kingman
Kansas	R. H. Henley	Neva Wiley

School	Superintendent	Principal
Kenwood Institute (Chicago)		Mrs. Stella Dyer-Loring
Kewanee	R. G. Jones	Wendell S. Brooks
Knoxville	G. G. Lafferty	Sylvia E. Smith
LaHarpe	T. W. Everitt	Mrs. Nellie Conrady
Lake Forest Acad.		W. M. Lewis
Lanark	O. W. Hoffman	Jennie McLaggan
LaSalle-Peru Tp. (LaSalle)		T. J. McCormack
Lawrenceville Tp.		Eston V. Tubbs
Lena	L. M. Carpenter	Sue L. Wilson
LeRoy	H. H. Kirkpatrick	A. B. Korb
Lewistown	M. N. Beeman	Mary E. Weatherly
Lexington	J. H. Smith	Wm. H. Spurgin
Libertyville Tp.		C. R. Pugh
Lincoln	Anthony Middleton	A. F. Trams
Litchfield	A. S. Anderson	P. M. Smith
Lockport Tp.		G. R. Swain
Loda	Chas. C. Strickland	Lillie Helgeland
Lovington Tp.		O. C. Bailey
Lyons Tp. (LaGrange)		Ralph W. Pringle
McLeansboro	W. C. Fairweather	L. G. Hickman
Macomb	T. M. Birney	L. L. King
Madison	Louis Baer	Sarah Megowen
Maine Tp. (DesPlaines)		Chas. S. Stewart
Marengo	Albert Reep	O. C. Schwiering
Marion	E. G. Lentz	H. H. Henston
Marissa Tp.		Roy Jordan
Marseilles	E. A. Collins	Elinore Bates
Marshall Tp.		R. D. Kean
Martinsville	R. E. Wilson	Harold Bright
Mason City	G. A. Buzzard	L. B. Curry
Mattoon	G. P. Randle	J. F. Wiley
Mazon Tp.		Eugene C. Shields
Mendota	E. H. Murray	Myra J. Howes
Metropolis	M. N. McCartney	C. F. Matthias
Milford	H. W. McCulloch	Katheryn Toler
Minonk	B. R. Morris	Marie Jansen
Moline	C. H. Maxson	E. P. Nutting
Momence	R. I. Walters	E. E. Robbins
Monmouth	C. E. Joiner	Mary M. Findley
Monticello	B. D. Remy	A. W. Gross
Monticello Seminary (Godfrey)		Martina C. Erickson
Morgan Park Academy		Harry D. Abells
Morris	Edwin D. Martin	L. E. Simrall
Morrison	W. E. Weaver	Mary L. Barnes
Morton Tp.		T. L. Cook
Mt. Carmel	W. S. Booth	Harriet Berninger
Mt. Carroll	C. J. Brosnan	Gayle Au
Mt. Sterling	M. L. Test	Agnes M. Gunther
Mt. Vernon Tp.		James M. Dickson
Moweaqua	C. W. Yerkes	Myrtle Gregory
Murphysboro Tp.		G. J. Koons
Naperville	O. A. Waterman	V. Blanche Graham
Nashville	John M. Avery	J. K. Skinner
Neoga Tp.		Dean M. Inman
Newman Tp.		J. H. Trinkle
Newton	C. H. Girhard	J. H. Pursifull
New Trier Tp. (Kenilworth)		H. E. Brown
Nokomis	Henry Buellesfield	Nellie Seegar
Normal	E. W. Davis	J. R. Pelsma
North Park Col. Acad. (Chicago)		Carl Hanson
Northwestern Mil. Acad. (Highland Park)		Col. H. P. Davidson
Oakland	G. W. Sutton	Lora Marsh
Oak Park & River Forest Tp. (Oak Park)		J. Calvin Hanna
Oblong	L. S. Jones	Roscoe Smith
Odell	W. M. Vaughan	Blanche E. Chevillen
Olney	H. W. Hostettler	B. Y. Alvis
Onarga	S. E. LeMarr	Mellie C. Clevenger

SCHOOL	SUPERINTENDENT	PRINCIPAL
Oregon	F. G. Taylor	Edith E. Rodkey
Ottawa Tp.		W. F. Mozier
Palestine	H. B. Urban	J. M. Watters
Pana Tp.		W. E. Andrews
Paris	E. B. Brooks	Bertha A. Miller
PawPaw	A. A. Franzke	Leon F. Rock
Paxton	O. J. Bainum	F. C. Turner
Pekin	J. J. Crosby	Wm. F. Shirley
Peoria Central	Gerard T. Smith	A. W. Beasley
Manual Training High		William Brown
Petersburg	William Hawkes	Henry S. Stice
Pittsfield	O. H. Blossom	Nellie A. Moore
Plainfield	L. H. Darling	Evelyn Winbolt
Plano	R. E. Locke	C. L. Quear
Polo	C. F. Miller	Mary C. Strickler
Pontiac Tp.		Arthur Verner
Princeton Tp.		H. S. Magill, Jr.
Prophetstown	G. V. Clum	W. F. Stewart
Proviso Tp. (Maywood)		J. Porter Adams
Quincy	E. G. Bawman	C. R. Maxwell
Rantoul	E. H. Miller	Ciceley Goff
Ridgefarm	L. B. Coggeshall	L. B. Coggeshall
Riverside	A. F. Ames	T. H. Ziegler
Robinson Tp.		J. O. Marberry
Rochelle	L. A. Mahoney	T. R. Johnston
Rock Falls	E. O. Phares	E. L. Davis
Rockford	P. R. Walker	C. P. Briggs
Rock Island	H. B. Hayden	A. J. Burton
Roodhouse	Harvey F. White	F. P. Allen
Roseville Tp.		A. C. Booz
Rossville	I. A. Smothers	E. G. Abbott
Rushville	Chas. E. Knapp	Laura Knowles
Rutland	O. N. Kiger	Elder Swanson
St. Charles	Mary F. McAuley	M. F. Adams
St. Elmo	R. W. Jennings	Dean Parrill
St. Mary's Acad. (Joliet)	M. M. Victorine	Sr. M. Mechtilda
St. Mary's Acad. (Quincy)		M. Mary Magdalen
Salem	M. A. Thrasher	John C. Chamberlin
Sandwich	W. W. Woodbury	Maud Webster
Savanna Tp.		F. D. Goodier
Saybrook	L. F. Fulwiler	F. G. Moore
Sheffield	J. H. Martin	Mabel Coyle
Shelbyville	A. F. Lyle	J. T. Dorris
Sheldon	F. L. Holch	Josephine Holch
Sidell	Sherman Cass	Sherman Cass
Southern Collegiate Inst. (Albion)		Frank B. Hines, Pres.
Sparta	S. E. Reecher	F. C. Scott
Springfield	J. H. Collins	F. D. Thomson
Staunton	Wm. E. Eccles	Ellen A. Muir
Sterling Tp.		E. T. Austin
Stockton	G. N. Menziaver	Myrtle Renwick
Stonington	G. E. Lowry	W. S. Rea
Streator Tp.		O. A. Rawlins
Sullivan	T. H. Finley	Essie Chamberlain
Sycamore	K. D. Waldo	Edna M. Koch
Taylorville Tp.		J. E. Wooters
Thorton Tp. (Harvey)		L. W. Smith
Tolono	J. T. Turner	J. T. Turner
Toulon	J. T. Kirk	Ella Silliman
Toulon Academy		Lewis A. Morrow
Tuscola	Lewis Hoover	Carson H. Beane
University High School (Chicago)		F. W. Johnson
Urbana	A. P. Johnson	M. L. Flaningam
Union Academy (Anna)		Fred W. McCluskey
Ursuline Acad. (Springfield)		Mother M. Ursula

School	Superintendent	Principal
Vandalia	D. B. Fager	O. B. Schaeffer
Vermilion Acad. (Vermilion Grove)		Edith C. Shugart
Villa de Chantal (Rock Island)		Mother F. Borgia
Virden	P. M. Silloway	P. M. Silloway
Virginia	A. M. Santee	Laura Mason
Warren	O. E. Taylor	O. M. Buser
Washington	A. G. Heitman	Lewis W. Feik
Waterloo	J. E. Raibourn	Carl W. Mitchell
Watseka	L. W. Haviland	Mary J. Laycock
Waukegan Tp.		W. J. Stebbins
Wenona	E. F. Nichols	R. D. Meengs
West Chicago	L. A. Reisner	Edna V. Schmidt
W. Ill. St. Nor. Acad. (Macomb)		John E. McGilvery
Western Mil. Acad. (Upper Alton)	A. M. Jackson	F. Engelhardt
Westfield Col. Academy		W. E. Schear
Wheaton	J. B. Russell	Ellen M. Gregg
Wheaton Col. Academy		C. A. Blanchard, Pres.
White Hall	Heywood Coffield	Nita Robison
Whiting, Ind.	W. W. Holliday	Claude C. Whiteman
Wilmington	W. H. Hughes	Bertha Eldred
Winchester	J. B. Hendricks	Grace A. Kerr
Woodstock	E. C. Thomas	W. E. Evans
Wyoming	Homer Hinkle	Mary Dunn
Yorkville	L. G. Yenerick	Mary Staley

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PARTIALLY ACCREDITED SCHOOLS

Atwood	J. W. Madden	Flora Ross
Greenfield	L. W. Ragland	Golden E. Berryman
Keithsburg	E. A. Huff	H. H. Hudson
St. Alban's School (Knoxville)		Lucian F. Sennett
St. Mary's School (Knoxville)		C. W. Leffingwell
Stockland Tp.		H. M. Thrasher
Washburn	H. A. Ritcher	Olga E. Seewald

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(c) ADMISSION BY TRANSFER OF ENTRANCE CREDITS FROM OTHER COLLEGES OR UNIVERSITIES

A person who has been admitted to another college or university of recognized standing will be admitted to this University upon presenting a certificate of honorable dismissal from the institution from which he comes and an official statement of the subjects upon which he was admitted to such institution, provided it appears that the subjects are those required here for admission by examination, or real equivalents. The candidate should submit such papers to the Registrar before the time of entrance.

ADMISSION TO ADVANCED STANDING

After matriculation, an applicant may secure advanced standing either by examination or by transfer of credits from another college or university.

1. *By examination.*—Advanced standing is granted only by examination, unless the applicant is from an approved school. In such case, credit may be obtained as explained in the next paragraph.

2. *By transfer of credits.*—Credits of another college or university, or from a fully accredited high school (in excess of entrance requirements), may be accepted for advanced standing. An applicant for such credit must present a certified record of work done in the institution from which he comes, and, except in cases of transfer from high schools, must also present a certificate of honorable dismissal.

ADMISSION AS SPECIAL STUDENTS

Persons over twenty-one years of age, not candidates for a degree, may be admitted as special students, *on terms prescribed by the individual colleges.* In every case they must secure (1) the recommendation of the professor whose work they wish to take, and (2) the approval of the dean of the college concerned. They must give evidence that they possess the requisite information and ability to pursue profitably, as special students, their chosen subjects.

The College of Literature and Arts requires a written application, accompanied by official certificates, indicating the character and extent of the applicant's preparatory work, and showing honorable dismissal from the school last attended. In order that action may be taken on such applications before registration they should be presented at least one week before the beginning of the semester.

The College of Engineering requires that applicants for admission as special students shall satisfy the entrance requirements in mathematics and English (one and one-half years of algebra, one year of plane geometry, one-half year of solid geometry, one year of English composition, and two years of English literature).

The College of Agriculture will receive non-matriculants eighteen years old or over, provided that if deficient in English as measured by the requirements for matriculation, they shall arrange to carry English as one subject until that deficiency is made good; and provided further, in the case of men, that they shall have had at least two years of experience in practical agriculture.

The Library School requires a written application, accompanied by official certificates, indicating the character and extent of the applicant's preparatory and college work and showing honorable dismissal from the institution last attended. In order that action may be taken on such applications before registration they should be presented not later than one week before the beginning of the academic year.

It is the practice of this school to admit as special students only those mature persons who, though unable to meet the formal requirements for entrance, are substantially prepared for thorough and advanced work. Such persons must present evidence of possessing the requisite information and ability to pursue the chosen subjects profitably, and some substitute for the regular requirements for entrance, such as approved library or teaching experience, foreign travel, etc. Preference will be given to those already engaged in library work, especially in Illinois, who may desire more adequate training in particular subjects.

A special student is not matriculated and must pay a tuition fee of $7.50 a semester in addition to the regular incidental fee of $12.00.

No one may enroll as a special student in any school or college of the University for more than two years, except by special permission, application for which must be made through the dean of the college.

A person registered as a special student in one college and desiring to take a course in another college of the University must obtain the approval of the dean of the latter college.

GRADUATION—FIRST DEGREES

THE BACHELOR'S DEGREE

A bachelor's degree is conferred upon any student who satisfactorily completes the course of study described under one of the various colleges and schools, doing either the first three years, or the last year, of his work in residence at the University.

If the student is in residence at the University for one year only, that year's work must be taken in the college from which the degree is expected. No person will be recommended for a degree by the faculty of any college in the University unless he has been a regularly registered student in that college for at least one year.

A candidate for a bachelor's degree must pass in the subjects marked *prescribed* in his chosen course, and must conform to the directions given in connection with that course in regard to electives. In the Colleges of Literature and Arts, of Science, and of Agriculture, credit for 130 hours is required for graduation. In the College of Engineering, in the College of Law, in the Library School, and in the School of Music the candidate must complete the course of study as laid down.

The number of hours required includes, for men, five in military drill and tactics and two in physical training; and for women, three in physical training. Men excused from the military requirements, and women who do not take the courses in physical training, must elect instead an equivalent number of hours in other subjects.

In all cases in which a thesis is required,* the subject must be announced not later than the first Monday in November, and the completed thesis must be submitted to the dean of the proper college by June 1. The work must be done under the direction of the professor in whose department the subject belongs, and must be in the line of course of study for which a degree is expected. The thesis must be presented upon regulation paper, and is deposited in the library of the University.

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* See requirements for graduation in the various colleges.

A student who has already received one bachelor's degree may receive a second bachelor's degree, provided that all specified requirements for both degrees be fully met, and provided also that the course offered for the second degree include at least 30 semester hours not counted for the first degree.

LIST OF FIRST DEGREES

1. The degree of Bachelor of Arts is conferred on those who complete a course in the College of Literature and Arts, or certain courses in the College of Science.
2. The degree of Bachelor of Science is conferred on those who complete a course in the College of Engineering or in the College of Agriculture. This degree is conferred on a graduate of the College of Science who completes a course in ceramics, and may be conferred on graduates from other courses in this College on recommendation of the faculty, as announced on pages 158 ff.
3. The degree of Bachelor of Laws is conferred on those who complete the course in the College of Law.
4. The degree of Doctor of Medicine is conferred on those who complete the course in the College of Medicine.
5. The degree of Bachelor of Library Science is conferred on those who complete the course in the Library School.
6. The degree of Bachelor of Music is conferred on those who complete one of the courses in the School of Music.
7. The degree of Graduate in Pharmacy, or of Pharmaceutical Chemist, is conferred on those who complete the shorter and the longer courses, respectively, in the School of Pharmacy.
8. The degree of Doctor of Dental Surgery is conferred on those who complete the course in the College of Dentistry.

HONORS AND COMPETITIONS

UNIVERSITY HONORS

The University gives public official recognition to such students as attain a high grade of scholarship by the following system of honors:

Preliminary Honors are assigned on the completion of the sophomore year. The number of persons to whom honors are awarded may not exceed one-tenth of the membership of the sophomore class. The basis of assignment is the scholarship of the student during the freshman and sophomore years. A condition or a failure disqualifies a student for receiving these honors. Preliminary Honors afford an opportunity for sophomores to secure recognition for high scholarship without waiting for graduation.

*Final Honors** are assigned on graduation. The basis for the assignment is the scholarship of the student during the junior and senior years. Not more than one-tenth of the senior class may receive such honors. Final Honors are given to seniors in recognition of high scholarship, the terms being designed especially to favor students whose preparatory education has been so imperfect as to prevent them from receiving preliminary honors. A condition or a failure received in the junior or the senior year disqualifies a student for receiving Final Honors.

Special Honors are awarded at the close of the senior year. No student may receive such honors who has not completed, before the beginning of his senior year, at least twenty hours' work in the subject, or group of allied subjects, in which the honors are proposed; he must complete thirty hours' work in the same subject, or group of allied subjects, by the end of his senior year, must do such other work as the professor in charge may assign, and must prepare an acceptable thesis. No student is eligible for special honors who, during the senior year, has received a grade of less than eighty per cent in any subject. Special honors are planned for especially brilliant students who prefer to concentrate their efforts upon a special course. A student may be a recipient of both final and special honors.

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* *Honors on Graduation.*—The rules governing honors on graduation in the College of Literature and Arts are stated on pages 147 following. The rules given above apply to the other undergraduate colleges and schools of the University.

The names of all students receiving honors appear in the University catalog.

MILITARY CONTESTS AND PRIZES

Bronze medals typical of the University and its Military Department are awarded by the University to the members of the infantry company and artillery and signal detachments which shall score the greatest number of points at the annual competitive drill, held at some time between May 15 and May 31. The members of the company rifle team making the highest score at gallery target practice are also awarded medals. The medals so awarded become the permanent property of the recipients. A complete roster of the winning organizations is published in the University register for the following year.

THE HAZELTON PRIZE MEDAL

Captain W. C. Hazelton provided in 1890 a medal, which is awarded, at a competitive drill held at some time between May 15 and May 31, to the best drilled student. Each competitor must have been in attendance at the University at least sixteen weeks of the current college year; must not have had more than four unexcused absences from drill; and must present himself for competition in full uniform.

The award is made for excellence in:

1. Erectness of carriage, military appearance, and neatness
2. Execution of the school of the soldier, without arms
3. Manual of arms, with and without numbers

The name of the successful competitor is published in the University register for the following year. He is given a certificate setting forth the facts, and may wear the medal until the fifteenth day of the May following, when he must return it for the next competition.

UNIVERSITY GOLD MEDAL

The Board of Trustees provides annually a gold medal which is to be awarded, at the annual competitive drill held near the close of the year, to the best drilled student. Each student must have matriculated in the University and must have completed one semester's work in Military 1 with a grade of not less than 90, and three semesters' work in Military 2 with a grade of not less than 95; and he must have an average standing of not less than 85 per cent in all of his other studies for the preceding semester, which standing shall be determined by the Registrar. The name of the winner is published in the University register for the following year. The reward is made for excellence in the same details as in the Hazelton contest.

DEBATING AND ORATORY

The University engages yearly in four intercollegiate debates, the teams for which are chosen in a series of competitive preliminaries to which all students are eligible. Through the generosity of Hon. William B. McKinley a gold watch-fob is presented to every speaker who represents the University, either in debate or in oratory.

The Central Debating Circuit of America is an association formed by the universities of Illinois, Iowa, Minnesota, Nebraska, and Wisconsin. It holds a debate at each university on the Friday evening following the Thanksgiving recess.

The State University Debating League consists of the state universities of Illinois, Indiana and Ohio. Under its auspices three debates are held upon the second Friday in March, each university sending out an affirmative and a negative team.

The Northern Oratorical League, consisting of Northwestern University, Oberlin College, and the state universities of Illinois, Iowa, Michigan, Minnesota, and Wisconsin, holds an annual contest on the first Friday evening in May. The contest for 1912 will be held at Northwestern University, Evanston, Ill. The winner receives the Lowden testimonial of one hundred dollars, and the speaker awarded second place, fifty dollars. The Illinois representative is selected in competitive contests open to all undergraduates.

The Intercollegiate Peace Association holds an annual state and inter-state oratorical contest to which this University is eligible. Orations must be upon some phase of the peace question. Cash prizes are offered in the state and inter-state contests.

A Freshman-Sophomore Debate and an Inter-Society Declamation Contest are held yearly.

Delta Sigma Rho is an honorary fraternity whose membership is confined to University debaters and orators. Chapters have been formed in many of the colleges and universities of the East and Middle West.

The names of students who represented the University in debate and oratory in 1910-1911 are given in the list of honors at the end of this volume.

INTERSCHOLASTIC ORATORICAL PRIZE

A medal of the value of twenty dollars, and two of the value of ten dollars each, are offered annually by the University to the high schools of the state for the best oration delivered in a competitive contest between their representatives. This contest takes place in the spring at the time of the interscholastic athletic meet.

THE BRYAN PRIZE

In 1898 Mr. William Jennings Bryan gave to the University two hundred and fifty dollars. From the interest of this sum a prize of twenty-five dollars is offered biennially for the best essay on the science of government. The contest is open to all matriculated undergraduate students. The essays may not be less than three thousand, nor more than six thousand, words in length, and must be left at the President's office not later than the second Wednesday in May. The prize was offered for the first time in 1901. It will be offered next in 1913.

ASSOCIATIONS, SOCIETIES, AND CLUBS

GENERAL ORGANIZATIONS

UNIVERSITY OF ILLINOIS UNION

The University of Illinois Union is an association of the men of the University, having for its general object the promotion of college spirit and good fellowship, and as a special end the erection and maintenance of a club house open to all University men. All male students are eligible to active membership in the Union; alumni and members of the faculty may become associate members. The Union elects annually a Student Council, consisting of eight seniors and seven juniors, which takes charge of certain student activities.

THE WOMAN'S LEAGUE

The Woman's League was organized to further the spirit of unity among the women of the University and to be a medium for the maintenance of high social standards. The administrative power is vested in an Advisory Board and an Executive Committee composed of representatives from the various women's organizations. Every woman in the University is, by virtue of her registration, a member of the League. The League manages a loan fund, supports a room in the Burnham Hospital, and provides the magazines for the Woman's Building.

HOSPITAL ASSOCIATION

The Hospital Association is an organization of students to provide a fund for hospital care in case of sickness. The members of the Association pay a fee of fifty cents each semester, and the fund thus raised is used to pay the hospital expenses of members who may need such care. The fund is under the control of a committee of the Council. During the past ten years the Association has rendered valuable aid to a considerable number of members. Students are advised to join the Association.

LITERARY SOCIETIES

The ADELPHIC, IONIAN, and PHILOMATHEAN societies for men, and the ALETHENAI, ATHENEAN, and ILLIOLA for women, meet weekly, on Fridays, throughout term time.

THE CHRISTIAN ASSOCIATIONS

In 1910-1911 four hundred seventy men were enrolled in the Young Men's, and three hundred forty-nine women in the Young Women's Association. Each association employs a general secretary for full time. Both are affiliated with the World's Student Christian Federation.

The Association Houses furnish free for the use of all students a reading room and library, parlors, piano, magazines and papers, correspondence tables, telephones, and other conveniences. The Young Men's Christian Association building contains also lounging and game rooms, bowling alleys, and dormitories to accommodate about eighty persons.

Religious meetings for men are held on Sunday afternoons; for women on Thursday afternoons; and for both men and women on Monday evenings. There are frequent meetings for the promotion of social intercourse and good fellowship. Courses in systematic Bible study and in modern missions are offered. Within the year approximately seven hundred fifty men and three hundred fifty women completed one or both of these courses. A most helpful feature of the work is that in the interest of new students at the opening of the college year. Desirable rooms and boarding places are found and posted for reference at the Association Houses. Representatives of the Associations meet the trains, assist students in finding satisfactory locations, and endeavor to make them feel at home. The employment bureau helps many to find work.

A copy of the Students' Hand-Book, giving information about Urbana and Champaign, the University, and the various college organizations and activities, will be sent free to prospective students.

For this Hand-Book, or for further information, address the General Secretary of either Association.

THE KOMENIAN SOCIETY

The Komenian Society was organized in 1908 by the Bohemian students of the University. Its purpose is to promote the intellectual, social, and moral culture of those connected with it, along the lines of Czech language, literature, and thought in general. Meetings are held every other Saturday; they are alternately of a literary and a seminar character. The literary meetings deal with the life of the Bohemian in this country; the seminar sessions are devoted to a study of the Bohemian language and literature. Discourse in the Bohemian tongue is encouraged.

The Ivrim Society

The Ivrim Society is composed of Jewish students. The purpose of the society is the social and intellectual advancement of its members. Fortnightly meetings are held.

The Cosmopolitan Club

The Cosmopolitan Club is an organization devoted to the promotion of social and intellectual intercourse among persons of different nationalities at the University. It furnishes opportunities for the foreign students and those of the United States to meet in a social way and also to exchange information concerning the life and customs of their native countries. Public meetings are held in University buildings, to afford the University community information about the customs peculiar to the various countries of the world. The clubhouse on West Oregon street affords a home to many of the foreign students and to a limited number of native students. The Illinois organization is one of the chapters which organized the National Association of Cosmopolitan Clubs.

CLUBS AUXILIARY TO COURSES OF STUDY

In addition to the associations and societies of a general character described above, there are in each college a number of societies and clubs devoted to outside work of a literary, scientific, or technical nature auxiliary to the work of various departments of that college. Among these are the following:

In the College of Literature and Arts: *Le Cercle Français, el Circulo Español,* the Classical Club, the Commercial Club, *der Deutsche Verein,* the English Journal Club, the History Club, the Oratorical Association, the Pen and Brush Club, the Philological Club, the Political Science Club, the Scandinavian Club.

In the College of Science: The Botanical Club, the Ceramic Club, the Chemical Club, the University of Illinois Section of the American Chemical Society, the Geological Journal Club, the Mathematical Club, the Zoological Club.

In the College of Engineering: The Architects' Club, the Civil Engineers' Club, the Electrical Engineering Society, the Urbana

Section of the American Institute of Electrical Engineers, the Mechanical Engineering Society, the Urbana Student Branch of the American Society of Mechanical Engineers, Urbana Student Branch of the American Institute of Mining Engineers, the Physics Club.

In the COLLEGE OF AGRICULTURE: The Agricultural Club, the Horticultural Club, the Household Science Club.

In the COLLEGE OF LAW: The Fuller, John Marshall, Witenagemot, and Van Twiller Law Clubs.

In the SCHOOL OF MUSIC: The University Choral and Orchestral Society, the University Glee and Mandolin Club, the University Military Band.

In the LIBRARY SCHOOL: The Library Club.

UNDERGRADUATE SCHOLARSHIPS

(For information more in detail concerning these scholarships, apply to the Registrar, Urbana.)

COUNTY SCHOLARSHIPS

A law passed by the General Assembly of the State of Illinois at the session of 1905 provides that one scholarship may be awarded annually to each county of the State. The holder thereof must be at least sixteen years of age, and a resident of the county to which he is accredited. He is relieved of payment of the matriculation and incidental fees for four years in any department of the University other than the professional schools.

A competitive examination, under the direction of the President of the University and upon such branches of study as the President may deem best, is held, upon the first Saturday in June of each year, at the county court house in each county by the County Superintendent of Schools. Questions for these examinations are furnished in advance to the County Superintendents.

The successful candidates in the examinations must then meet in full the requirements for admission to the freshman class and must register the following September.

In case the scholarship in any county is not claimed by a resident of that county, the President of the University may fill the same by appointing some candidate, a resident of another county, who is eligible therefor.

A student holding a scholarship who shall make it appear to the satisfaction of the President of the University that he requires leave of absence for the purpose of earning funds to defray his expenses while in atttendance, may, in the discretion of the President, be granted such a leave of absence, and may be allowed an extension of his scholarship for not more than two years (making not more than six years in all from the beginning of the scholarship).

GENERAL ASSEMBLY SCHOLARSHIPS

The same act by which the county scholarships described above were established also provides that each member of the General Assembly may nominate annually one eligible person from his district for a scholarship in the University, granting the same privilege as the county scholarships, and to be conferred under the same conditions with regard to examination, meeting the entrance requirements, and registration.

SCHOLARSHIPS IN CERAMICS

The University offers annually to each county in the State one scholarship, awarded by the Trustees of the University, upon the nomination of the Clay Workers' Association, to applicants who intend to pursue any of the regular courses in ceramics. These scholarships are good for four years and relieve the student from the payment of the matriculation and incidental fees.

The applicant must meet, *in full, before entering,* the requirements for admission to the freshman class.

In case the scholarship in any county is not claimed by a resident of that county, the President of the University may fill the same by appointing some candidate, a resident of another county, who is eligible to a vacancy.

SCHOLARSHIPS IN AGRICULTURE AND HOUSEHOLD SCIENCE

The University offers every year to each county in the State, except Cook and Lake, and to each of the first ten congressional districts, one scholarship for prospective students of Agriculture in the College of Agriculture and one for prospective students of Household Science in the College of Literature and Arts, the College of Science, or the College of Agriculture.

Appointments to scholarships in Agriculture are made by the Trustees of the University upon the recommendation of the executive committee of the Illinois Farmers' Institute; and to scholarships in Household Science upon the recommendation of the County Domestic Science Associations. Young men under sixteen years of age, young women under eighteen years of age, and those who have already attended the University are not eligible. Acceptable candidates, residents of counties or districts for which appointments have been made, may be assigned to counties or districts not yet represented.

The scholarships are good for two years and relieve the holders from the payment of the matriculation fee, $10.00, and the incidental fee, $24.00 a year. The term of a scholarship may be extended four years, if, before it expires, the holder satisfies in full the requirements for admission to the freshman class of the college in which he or she is enrolled.

MILITARY SCHOLARSHIPS

Students who have gained three hours' credit in class room military instruction and four in drill practice, are eligible for appointment as commissioned officers of the Regiment or Battery. Those attaining this rank may be awarded special scholarships, good for one year, and equal in value to the University incidental fees for the same length of time.

For fellowships and graduate scholarships, see under Graduate School, page 205.

BENEFICIARY AID

EDWARD SNYDER DEPARTMENT OF STUDENTS' AID

In 1899 Edward Snyder, Professor of the German Language and Literature, *Emeritus,* gave the University the sum of $12,000, to be lent to worthy students to enable them to finish their courses in the University.

This fund is available for junior, senior, and graduate students who need aid to remain and complete their work. The minimum loan made is fifty dollars ($50); the maximum loan is one hundred and fifty dollars ($150) to a junior, and two hundred dollars ($200) to a senior or graduate student. Notes of hand are taken for the amount of the loans, with 5 per cent interest. The maximum time limit is for juniors three years and for seniors and graduates two years from the ensuing thirtieth day of June.

Loans are made only to matriculated students who have attained at least the full rank of junior, who have been in residence at the University at least one year, who are at the time students in residence at the University, and who have declared their intention to graduate.

In recommending loans, preference is given to those students who are most advanced in their University work, who have shown themselves most assiduous and successful in their studies, and have shown habitual economy in living. No distinction is made on account of sex or course of study. A loan will not be recommended for any student who is believed to have been financially or morally delinquent in any respect.

Applications for loans must be made in writing and addressed to Vice-President T. J. Burrill, Chairman of the Loan Fund Committee.

CLASS OF 1895 LOAN FUND.

There is a fund of $100.00 established by the class of 1895, to be lent to needy and deserving students. According to the conditions of the gift, fifty dollars is to be lent annually, and the benefit of the fund is open only to students who, at the time of application, are members of the freshman class. No person may receive the benefit of the fund more than four years. The loan bears interest from the time the recipient leave the University, and is due one-half in five years and one-half in six years after matriculation. The management of the fund is in charge of the Council of Administration.

GRADUATE CLUB LOAN FUND

This is a fund of $75 established by the members of the Graduate Club in 1907-1908, for the benefit of graduate students. Its administration is in the hands of the committee which is in charge of the Snyder fund, and application for loans should be made in the same manner as for loans from that fund.

THE FRANCIS J. PLYM FELLOWSHIP IN ARCHITECTURE

By the generosity of Mr. Francis J. Plym, of Niles, Michigan, a graduate of the University of Illinois of the class of 1897, the Trustees have been enabled to establish a fellowship for the advanced study of architecture. The stipend attached to this fellowship is $1,000.00, assigned annually. The holder of the fellowship is expected to spend a year in study and travel abroad. For further information address the Dean of the College of Engineering.

FEES AND EXPENSES

GENERAL FEES

All University fees shall be paid each semester in advance.

The regular fees for the current semester must be paid before the student is entitled to submit his study list for approval or to enter classes. Second semester fees must be paid before the close of the first semester, and every student who has not paid his fees before the opening of the second semester is excluded from the University until the fees have been paid.

Colleges of Literature and Arts, Science, Engineering, and Agriculture, and Library School

Matriculation Fee. Each student not holding a scholarship, upon satisfying the requirements for admission to the University, pays the matriculation fee of	$10.00
Diploma Fee, payable before graduation	5.00
Incidental Fee. All students, excepting those holding scholarships, pay, each semester, an incidental fee of	12.00
Tuition Fee. Students conditioned on entrance requirements, and special students, except special students holding scholarships, pay, each semester, a tuition fee of	7.50
Laboratory Fees. Each student working in laboratories, or in the drafting or engineering classes, is required to pay a fee varying from $1.00 to $10.00, to pay for materials and apparatus used, and for any breakages or damages. (See page 126.)	
Listener's Fee. Persons not enrolled in the University who attend classes as listeners, or for credit, pay for each course, each semester	7.50

School of Music

College Courses

A matriculated student, enrolled in the School of Music only, pays each semester:

If his home is in Illinois, the incidental fee	$12.00
If his home is not in Illinois, full tuition fees in voice, piano, violin, or other stringed instrument—	
For two lessons a week	32.50
For one lesson a week	19.50
In harmony, counterpoint, fugue, etc	9.00

A matriculated student, enrolled in another department of the University, pays each semester:

If his home is in Illinois, only the fees of that other department.

If his home is not in Illinois, both the fees of that other department and lower tuition fees in voice, piano, violin, or other stringed instrument—	
For two lessons a week	25.00
For one lesson a week	15.00
In harmony, counterpoint, fugue, etc	9.00

A non-matriculated student, enrolled in the School of Music only, pays full tuition fees, as above:

For two lessons a week	32.50
For one lesson a week	19.50
In harmony, counterpoint, fugue, etc	9.00

A non-matriculated student, enrolled in another department of the University, pays the fees of that department and the lower tuition fees, as above:

For two lessons a week	25.00
For one lesson a week	15.00
In harmony, counterpoint, fugue, etc	9.00

Preparatory Courses

A student enrolled in the School of Music only pays, each semester, tuition fees in voice, piano, violin, or other stringed instrument, any band instrument, or public school method, as follows:

For two lessons a week	$19.50
For one lesson a week	11.00

A student enrolled in another department of the University pays the fees of that other department and lower fees in voice, piano, violin, or other stringed instrument, any band instrument, or public school method, as follows:

For two lessons a week	15.00
For one lesson a week	8.50

Additional

Use of a piano for practice one hour a day, each semester	$ 3.00
Additional hours at same rates.	
Special students, taking music only, may enter classes in physical training on paying, each semester	7.50

COLLEGE OF LAW

Matriculation fee, payable upon satisfying the entrance requirements	$10.00
Tuition fee, each semester	25.00
Students conditioned on entrance requirements pay, each semester, an additional fee of	7.50
Students not enrolled in the College of Law pay, each semester, for each Law course	5.00

COLLEGE OF MEDICINE

	Freshman Year	Sophomore Year	Junior Year	Senior Year
Matriculation	$ 5.00	$ 5.00	$ 5.00	$ 5.00
General Ticket	120.00	120.00	140.00	155.00
Laboratory Deposit[1]	20.00	20.00	5.00	......
Totals	$145.00	$145.00	$150.00	$160.00

Dissections, per part, and County Hospital ticket, each........$5.00

COLLEGE OF DENTISTRY

Matriculation fee, paid each year	$ 5.00
Tuition fee	150.00
	$155.00

SCHOOL OF PHARMACY

Matriculation fee, paid but once	$ 5.00
Tuition fee, shorter course, each year	75.00
Tuition fee, longer course, each year	125.00
Laboratory deposit, shorter course, each year	10.00
Laboratory deposit, longer course, each year	15.00
Diploma fee	5.00

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[1] Against this deposit will be charged up all laboratory material and all breakage. The balance will be returned at the end of the term.

LABORATORY FEES

In the Colleges and Schools at Urbana

SUBJECT—	First Semester	Second Semester
Architecture 43 (2), 57 (13), 13, 31	$ 1.00	....
Architecture 44 (3), 10, 15, 14	....	$ 1.00
Architecture 6, 19	1.50	1.50
Architecture 68 (12)	....	1.50
Botany 1	....	3.00
Botany 2, 4, 6, 11	1.50	....
Botany 3, 7, 9, 101, 102, 106, 107	3.00	3.00
Botany 5	7.50	7.50
Botany 8	6.00	6.00
Botany 103	6.00	6.00
Ceramics 1, 12	2.00	....
Ceramics 5, 11	....	5.00
Ceramics 6	5.00	....
Ceramics 13, 15	4.00	....
Ceramics 14, 16	....	4.00
Chemistry 11, 111, each credit hour	2.00	2.00
Chemistry 71, 72	3.00	....
Chemistry 70	....	3.00
Chemistry 69, 16	3.00	3.00
Chemistry 10a, 10b, (½ sem.), 61, 65, 66, 102c	5.00	5.00
Chemistry 1a, 1b	6.00	6.00
Chemistry 1, 3, 4, 5c (3 hrs.), 8, 15, 21, 27, 33, 68a, 68b	8.00	8.00
Chemistry 5a, 5b, 5c, 9a, 9b, 9c, 13a, 13b, 22, 35, 103, 103a, 106, 107, 108	10.00	10.00
Civil Engineering 4, 4a, 5*l*, 13, 14	1.50	1.50
Civil Engineering 14a, 13a, 13b	.50	.50
Civil Engineering 21	1.00	....
Civil Engineering 22	....	1.00
Electrical Engineering 21, 28	3.00	....
Electrical Engineering 22, 29	4.00	4.00
Electrical Engineering 23, 27	....	5.00
Electrical Engineering 24	5.00	....
Electrical Engineering 16	....	3.00
Entomology 1	1.00	1.00
Entomology 2, 4, 5, 7	1.50	1.50

Entomology 3	....	1.50
Entomology 6	2.00	2.00
Entomology 10	1.00	....
Entomology 11	....	1.50
Entomology 102, 103, 108, 109	1.50	1.50
General Engineering Drawing 2	1.00	1.00
Geology 1, 7, 9, 11, 14, 15, 17	1.00	....
Geology 1a, 2, 6, 8, 16, 18	....	1.00
Geology 3	2.25	2.25
Geology 5	2.75	....
Geology 10	....	1.50
Geology 12, 13	....	2.25
Geology 4	3.00	3.00
Household Science 1	....	3.00
Household Science 4	5.00	....
Household Science 5	....	2.00
Household Science 6	3.00	....
Household Science 14	....	3.00
Mechanical Engineering 3	3.00	....
Mechanical Engineering 12	3.00	....
Mechanical Engineering 13	....	3.00
Mechanical Engineering 27	....	3.00
Municipal and Sanitary Engineering 2	1.00	....
Municipal and Sanitary Engineering 6a	1.00	....
Physics 2b, 3, 4, 15, 20b, 25, 30, 31	2.00	2.00
Physiology 1, 2, 3, 5, 103	3.50	3.50
Physiology 4	3.50	....
Psychology 3	2.00	....
Psychology 4	....	2.00
Railway Engineering 11	....	2.00
Railway Engineering 63	....	3.00
Theoretical and Applied Mechanics 5, 9	2.00	....
Theoretical and Applied Mechanics 10	....	1.00
Zoology 1	2.50	2.50
Zoology 2	....	3.50
Zoology 3, 6	3.00	3.00
Zoology 7	1.00	....
Zoology 9	....	2.00
Zoology 11	1.50	....
Zoology 13	2.00	....
Zoology 17a, 17b	1.00	1.00

AVERAGE ANNUAL EXPENSES

The following are estimated average annual expenses for undergraduate students attending at Urbana, *exclusive* of books, clothing, railroad fare, laboratory fees, if any, and small miscellaneous needs:

*Semester fees	$ 24.00	to	$ 24.00
Room rent for each student (two in room)	72.00	"	80.00
Table board in boarding houses and clubs	144.00	"	162.00
Washing	20.00	"	30.00
Total	$260.00	to	$296.00

Board and room in private houses, a week............$5.50 to $6.50

In addition to the foregoing, freshmen pay a matriculation fee of $10.00, and the men are required to buy a cadet uniform, which costs $15.00. Freshmen engineering students will need to buy a set of drawing instruments at a cost of about $18.00.

Other necessary expenses will need to be taken into consideration. For all the necessary expenses of the year the average student is likely to need not less than $350.00 to $450.00. Most students spend more than this amount.

For information in regard to scholarships which cover the matriculation and incidental fees, see page 118.

Board and Rooms

The University does not provide dormitories nor furnish board, but the numerous rooming and boarding houses near the campus are to a certain extent under the supervision of the University. The Young Men's and Young Women's Christian Associations of the University will aid new students in securing rooms and board.

Prospective women students and their parents are invited to correspond with the Dean of Women in regard to suitable places.

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* Students of law and music, and special students, must make needed changes in the amount given for "semester fees."

PART II

THE COLLEGES AND SCHOOLS

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PART II. COLLEGES AND SCHOOLS

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THE COLLEGE OF LITERATURE AND ARTS

For a description of the *buildings* used by this college, see page 65; for *collections* belonging to it (art, archaeology, commerce, education, and European culture), see page 73; for a summary of its *courses,* see page 80; for *clubs and societies* auxiliary to its courses of study, see page 116; for *fees,* see page 123.

PURPOSE

The purpose of the College of Literature and Arts is to secure for its students a liberal education, including both the humanities and the sciences. Students who complete the course receive the degree of Bachelor of Arts. This College is especially adapted to the needs of the following classes of students:

1. Those who wish to pursue a somewhat general course in the arts and sciences as a basis for later professional or technical studies. It will ordinarily be possible for a good student to arrange his work in such a way as to secure in six years a professional or technical degree in addition to that in arts.

2. Students who desire to prepare themselves for teaching. Under the modified elective system a student may specialize to a considerable extent in the particular subject which he wishes to teach and may also find time for courses in education and related subjects which are of interest to teachers generally. Such students should, as a rule, continue their preparation in the Graduate School.

3. Students who find it necessary to devote a considerable part of their undergraduate course to specific preparation for some particular calling other than teaching. Such vocational training may be secured at present in the Household Science Course and the Courses of Training for Business (including Journalism). Students regularly registered for these courses are subject to the general requirements of the College, but must meet also certain special requirements described below.

ADMISSION

See the general statement of the entrance requirements of the University, pages 85ff.

SPECIAL STUDENTS

For a statement of the general regulations of the University in regard to special students, see page 106.

It is the policy of this College to admit as special students only a select group of mature and serious persons who, though unable to meet the formal requirements for entrance, are substantially prepared for work of college grade.

GENERAL REQUIREMENTS FOR GRADUATION

The only degree given on graduation from the College of Literature and Arts is that of Bachelor of Arts. The following general requirements apply to all candidates for this degree:

A. *University Requirements.*—Each candidate must meet the general University requirements as to residence and registration. He must also secure credit in approved courses (see pages 133, 134 below) amounting to 130 hours. An hour is one class period a week for one semester, each class period presupposing two hours' preparation by the student, or the equivalent in laboratory or drawing room.

B. *Prescribed Studies.*—Subjects specifically prescribed: *Rhetoric 1* (6 hours); *Physical Training, 1 and 1a for men, 7 and 9 for women; Military Science 1 and 2 for men.*

C. *Group Requirements.*—Every candidate must offer a minimum of 8 hours in each of the following groups:

I. English, including English literature and rhetoric.

II. Ancient and modern languages other than English, including Greek, Latin, the Germanic languages, and the Romance languages. Only courses which require the use of a foreign language may be counted in this group, and the 8 hours offered must all be in the same language.

III. The social sciences, including history, economics, political science, and sociology.

IV. Mathematics and philosophy, including mathematics, education, philosophy, and psychology. A candidate who elects mathematics must take at least five hours of it. If a student does not elect mathematics, his elections in this group must include work in at least two of the other departments of the group. That is, if he does not take mathematics, he must take either philosophy and psychology, or philosophy and education, or education and psychology. With the exception of mathematics, no subject of this group is open to freshmen.

V. The natural sciences, including astronomy, botany, chemistry, entomology, geology, physiology, physics, and zoology. Zoology 17b may not be counted toward this group requirement.

D. *Major Subjects.*—Each candidate must select some one subject to be designated as his major, and secure credit in that subject to the amount of 24 hours. The courses selected for the last two years should include some distinctly advanced work. The subjects which may be recognized as majors in this college are subject to additions from time to time; at present they are as follows: Classics[1]; economics; education; English[2] (including English literature and rhetoric); French[3]; German[4]; Greek[1]; history; household science; Latin[1]; mathematics; philosophy; political science; psychology; sociology.

Special requirements and suggestions for students in business courses and in household science are indicated below, on pages 137 and 144 respectively. Students holding scholarships in household science must make that subject their major, and take one of the courses outlined on pages 144 and 145 below.

E. *Elective Subjects.*—The remainder of the course is made up of electives chosen under the following conditions:

1. Credit is regularly given for courses properly announced in the following subjects: Art and design (the total credit in this department is limited to 20 hours); the classics; the Germanic languages; the Romance languages; English; history; economics (including accounting and commercial law); political science; sociology; philosophy; psychology; education; astronomy; mathematics; physics; chemistry (not including technical courses in chemical engineering); geology; botany (except Botany 12); zoology; entomology; physiology; household science.

2. Not more than 40 hours in any one subject may be counted for graduation, except when the student is writing a thesis. In this case he may count, in addition to the 40 hours, the hours of the seminar course in which he does his thesis work. In the department of English a student may take 40 hours in addition to Rhetoric 1.

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[1] For the definition of the major in this subject, see below page 330.

[2] For the definition of the major in English see below page 351.

[3] A major in French must include 24 hours in addition to French 1.

[4] A major in German must include 24 hours in addition to German 1 and 3.

3. No credit is granted in any subject unless the student pursues it for the full time required in the shortest course offered in that subject. For example, if the student elects a course which yields two hours of credit for one semester, he must stay in the class during the semester in order to get any credit at all. In order to secure any credit in a beginning course in a foreign language, a full year's work must be completed.

4. Seniors registered in courses open to freshmen may receive only one-half of the credit regularly assigned to such courses. For the year 1911-1912 the following courses are included in this list: Art and Design 1 and 2; Astronomy 1; Botany 11; Chemistry 1; Economics 7, 22, 26, 27; English 1, 2; Entomology 1; French 1; Geology 3, 10, 14, 23; German 1, 3; Greek 1; History 1, 11; Household Science 2, 7; Latin 1; Library Science 12; Mathematics 2, 4; Rhetoric 1; Spanish 1; Zoology 1, 17b.

5. A limited amount of credit toward the A.B. degree is ordinarily given for courses offered in other colleges and schools of this University as follows:

Physical Training.—Not to exceed 5 semester hours.

Military Science and Tactics.—Military Science 1 and 2.

Law.—Law 1 (Contracts); Law 2 (Torts); Law 3 (Real Property); Law 6 (Personal Property). The total credit is limited to 17 hours. None of these courses may be taken before the junior year, and they should not ordinarily be taken before the senior year.

Engineering.—General Engineering Drawing 1 and 2 (Mechanical Drawing and Descriptive Geometry); Theoretical and Applied Mechanics 7 and 8 (Analytical Mechanics); Mechanical Engineering 7 or 15 (Thermodynamics); Civil Engineering 10 or 21 (Surveying); Architecture 6 (History of Architecture); Architecture 8 (Architectural Drawing); Architecture 13, 14, 15, 16, (History of Architecture); Electrical Engineering 1 and 21, or 2 and 26 (Principles).

Agriculture.—Agricultural Extension 2 (Elementary Agriculture for Teachers); Agronomy 5 (Seeds), for business students only; Agronomy 9 (Soil Physics); Agronomy 15 (Comparative Agriculture); Agronomy 22 (Plant Breeding); Animal Husbandry 7 (Principles of Animal Nutrition); Horticulture 9 (Forestry); Horticulture 10a (Landscape Gardening); Horticulture 12 (Evolution of Horticultural Plants); Horticulture 19 (General Floriculture), for household science students only; Thremmatology 1 (Principles of Evolution as Applied to the Improvement of Domesticated Animals and Plants). The total credit allowed in these agricultural courses will not ordinarily exceed 14 hours.

Library Science.—Library 3 (Selection of Books); 7 (History of Libraries); 9 (Book Making); 12 (General Reference); 13 (Public Documents). The total credit allowed in Library Science will not ordinarily exceed 14 hours. The course in General Reference (Lib. 12) is of special value to students in the College of Literature and Arts.

Music.—Music 1, 2, 3, 4, and 5 (courses in the history and theory of music).

Courses not listed under paragraphs 1 to 5 above, may not be counted for the degree of A.B., except by special permission of the Dean of the College.

F. *Bachelors' Theses.*—A bachelor's thesis is not generally required in this College. Students of high standing are, however, encouraged to write theses in connection with their major studies. Credit toward the degree is given for thesis work only as a part of the work in some course for which the student is registered. The presentation of a thesis is specifically required of all candidates for special honors. See below, page 147.

ARRANGEMENT OF COURSES

FIRST YEAR

Subjects Prescribed for Freshmen

The following subjects must be taken during the freshman year: *Rhetoric* 1, three hours each semester; *Military* 2, one hour each semester, and *Military* 1, one hour second semester (for men); *Physical Training* (Physical Training 1 and 1a for men; 7 and 9—Physiology 6—for women); *foreign language,* 4 hours each semester.

Freshman Electives

The following subjects are open to freshmen. The total amount taken in any semester is limited to eighteen hours, and should not be less than fifteen. In making his choice, the student must include subjects in at least three of the groups indicated on pages 132, 133. The Roman numerals refer to these groups.

The figure immediately following the subject is the number of the course (see "General Description of Courses," pages 284 ff.); the figure in parentheses indicates the number of credit hours to be secured in the course each semester.

First Semester:

I. English 1 (4); Rhetoric 1 (3).

II. French 1 (4) or 2 (4); German 1 (4) or 3 (4) or 4 (4) or 5 (4); Greek 1 (4) or 7 (3); Latin 1 (4) or 2 (4); Spanish 1 (4).
III. Mathematics 2 (3) and 4 (2).
IV. Economics 7 (3) or 26 (3); History 1 (4).
V. Astronomy 1 (3); Botany 2[2] (5), 4 (5), 11 (5); Chemistry 1[1] (5) or 1a[1] (4); Entomology 1 (2); Geology 3[1] (5), 14 (3), 23[1] (5); Physics 2a[3] and 2b[3] (5); Zoology 1[1] (5).

Second Semester:

I. English 2 (4); Rhetoric 1 (3).
II. French 1 (4) or 2 (4); German 3 (4) or 4 (4) or 5 (4) or 6 (4) or 7 (4); Greek 1 (4), 4 (4), or 6 (3); Latin 1 (4) or 2 (4); Spanish 1 (4).
III. Mathematics 3a (2); 6 (5).
IV. Economics 22 (3) or 27 (3); History 1 (4) or 11 (3).
V. Astronomy 4 (5); Botany 1 (5), 2[2] (5); Chemistry 1[1] (5) or 1a[1] (4) or 2 and 3 (5); Entomology 1 (2); Geology 3[1] (5) or 23[1] (5); Physics 2a[3] and 2b[3] (5); Zoology 2 (5), 1[1] (5), or 17b (2).

The following subjects not included in any group are also open to freshmen:

First Semester:

Art and Design 1 (2 or 3).
Household Science 2 (2) or 7 (2).
Library Science 12 (2).

Second Semester:

Art and Design 1 (3), 2 (2), 3 (3), 10 (1), or 12 (2).
Household Science 1 (3).
Library Science 12 (2).

SECOND YEAR

Male students must continue Military 2 throughout the year. Students who have failed to secure credit for any of the prescribed subjects of the freshman year must make up such deficiencies at this time.

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[1] May be taken in either semester, but not in both.

[2] Either semester may be taken separately, or both together; entrance Botany required.

[3] Prerequisite: Mathematics 4 (Trigonometry) which may be taken at the same time.

ELECTION

Aside from the subjects prescribed for the first two years, each student selects, with the advice of the Dean or other college advisers, such courses as will enable him to meet the requirements for graduation as stated above.

COURSES IN BUSINESS ADMINISTRATION

Courses in economics, accountancy, banking, commerce, railway administration, and industry are offered in combination with courses in language, law, and science, with the aim of providing a university training for business life. The combined courses are designed to give the student a knowledge of the general principles that underlie all lines of business, with special training in the work of some particular calling.

ARRANGEMENT OF COURSES

The subjects of study are so arranged as to furnish training for (1) general business; (2) banking; (3) accountancy; (4) railway traffic and accountancy; (5) railway transportation; (6) insurance; (7) the consular service; (8) journalism.

The work of the class-room is supplemented with lectures by practical specialists, and with visits of inspection to industrial and mercantile establishments.

The outlines of the General Business Course, the courses in Banking, Accountancy, Railway Administration, and Insurance, the Course for the Consular Service, and the Course in Journalism are given below.

GENERAL BUSINESS COURSE

This course is intended for students who wish a general knowledge of modern business organization and methods and their relation to the public welfare, without specializing in the details of any particular business. Every student must take work amounting to from 15 to 18 credit hours each week. Students desiring mathematics, or taking courses requiring it, should elect it in the first year, omitting Economic Resources (Economics 26), and Modern Industries (Economics 27), or Economic History of England (Economics 7) and Economic History of the United States (Economics 22), and science, which may then be elected the second year.

General Business Course

FIRST YEAR

First Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 2)
Physical Training (P. T. 1, 1a)
Economic Resources (Econ. 26)
Eng. Econ. Hist. (Econ. 7); or
Mathematics (Math. 2, 4); or
Science

Second Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 1, 2)
Physical Training (P. T. 1a)
Modern Industries (Econ. 27)
Econ. Hist. U. S. (Econ. 22)
Mathematics (Math. 6); or
Science

SECOND YEAR

Prescribed Subjects

Principles of Econ. (Econ. 1)
Amer. Fed'l Gov't (Pol. Sci. 1)
Military (Mil. 2)
History of U. S. (History 3); or
European History (Hist. 1)

Suggested Electives

Foreign language continued
Mathematics
Science

Prescribed Subjects

Money and Banking (Econ. 3)
Business Organization (Econ. 6)
Business Writing (Rhet. 10)
Military (Mil. 2)
Amer. State Gov't (Pol. Sci. 3)
History of U. S. (Hist. 3); or
European History (Hist. 1)

Suggested Electives

Foreign language continued
Mathematics
Science

THIRD YEAR

Prescribed Subjects

Accounting (Acc'y 1)
Corporation Management (Econ. 10)
Domestic Commerce (Econ. 28); or
Tariff and Customs Regulations (Econ. 30)

Suggested Electives

History
Public Finance (Econ. 5)
Foreign language continued
Accounting (Acc'y 3)
R'y Hist. and Orgn. (Econ. 41)
Fed'l Constitution (Pol. Sci. 5)
Psychology (Psychol. 1)
Municipal Gov't (Pol. Sci. 4)

Prescribed Subjects

Accounting (Acc'y 1)
Foreign Commerce (Econ. 29); or
Organization of Ocean Commerce (Econ. 36)

Suggested Electives

History
Indus. Consolid. (Econ. 11)
Foreign language continued
Adv. Accounting (Acc'y 4)
R'y Administration (Econ. 42)
Logic (Phil. 1b)
Psychology (Psychol. 1)

FOURTH YEAR

Prescribed Subjects

Seminar (Econ. 18)
Labor Problems (Econ. 12)
Commercial Law (Econ. 25)

Suggested Electives

Pol. and Soc. Ethics (Phil. 9)
Finan. Hist. of U. S. (Econ. 4)
(See also third year electives)

Prescribed Subjects

Seminar (Econ. 18)
Commercial Law (Econ. 25)
Econ. Hist. of Europe (Econ. 13)

Suggested Electives

Social Reform (Econ. 21)
State and Local Administration (Pol. Sci. 13)
(See also third year electives)

COURSE IN BANKING

The work of the first and second years in banking is the same as in the general business course, but students must take advanced algebra (Mathematics 2), which is a prerequisite for the mathematics of investments (Mathematics 23a).

Course in Banking

THIRD YEAR

First Semester

Prescribed Subjects

Accounting (Acc'y 1)
Corporation Management (Econ. 10)
Public Finance (Econ. 5)

Suggested Electives

Ind. Accounting (Acc'y 3)
Domestic Commerce (Econ. 28)
Logic (Phil. 1a)
History

Second Semester

Prescribed Subjects

Accounting (Acc'y 1)
Math. of Investments (Math. 23a)
Econ. Hist. of Europe (Econ. 13)

Suggested Electives

Foreign Commerce (Econ. 29)
Indus. Consolid. (Econ. 11)
History

FOURTH YEAR

Prescribed Subjects

Practical Banking (Econ. 9)
Finan. Hist. of U. S. (Econ. 4)
Commercial Law (Econ. 25)
Seminar (Econ. 18)

Suggested Electives

Labor Problems (Econ. 12)
Tariff and Customs Regulations (Econ. 30)
Contracts (Law 1)
Pol. and Soc. Ethics (Phil. 9)

Prescribed Subjects

The Money Market (Econ. 8)
Commercial Law (Econ. 25)
Seminar (Econ. 18)

Suggested Electives

U. S. Commercial Relations (Econ. 31)
Contracts (Law 1)

COURSE IN ACCOUNTANCY

The development of the commercial, industrial, and financial interests of the country has given rise to a demand for accountants.

In 1903 a law was passed in Illinois placing the work of public accounting upon a professional basis. According to this law, candidates are required to pass examinations in commercial law as affecting accountancy, the theory of accounts, practical accounting, and auditing.

In order to give students adequate preparation for this field, the University offers a four years' course in business administration including a maximum of work in accountancy, and including also economics, history, political science, statistics, language, and other subjects.

Course in Accountancy

FIRST YEAR

First Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 2)
Physical Training (P. T. 1, 1a)
Algebra and Trig. (Math. 2, 4)
Economic Resources (Econ. 26)

Second Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 1, 2)
Physical Training (P. T. 1a)
Analytical Geom. (Math. 6)
Modern Industries (Econ. 27)

SECOND YEAR

Prescribed Subjects

Principles of Econ. (Econ. 1)
Prin. of Accountancy (Acc'y 1)
Military (Mil. 2)
Science

Suggested Electives

Foreign language continued
Calculus (Math. 8a)
European History (Hist. 1)
History of U. S. (Hist. 3)
Amer. Fed'l Gov't (Pol. Sci. 1)

Prescribed Subjects

Money and Banking (Econ. 3)
Business Organization (Econ. 6)
Business Writing (Rhet. 10)
Prin. of Accountancy (Acc'y 1)
Military (Mil. 2)
Science

Suggested Electives

Foreign language continued
European History (Hist. 1)
History of U. S. (Hist. 3)
Amer. State Gov't (Pol. Sci. 3)

THIRD YEAR

Prescribed Subjects

Indus. Accounting (Acc'y 3)
Corporation Management (Econ. 10)
Public Finance (Econ. 5)
Municipal Gov't (Pol. Sci. 4)

Suggested Electives

Foreign language
Domestic Commerce (Econ. 28)
Logic (Phil. 1a)
Railway History and Organization (Econ. 41)

Prescribed Subjects

Adv. Accounting (Acc'y 4)
Indus. Consolid. (Econ. 11)
Mathematics of Investments (Math. 23a)

Suggested Electives

Foreign language
Foreign Commerce (Econ. 29)
Railway Administrat'n (Econ. 42)

FOURTH YEAR

Prescribed Subjects

Advanced Accounting (Acc'y 7)
Commercial Law (Econ. 25)
Seminar (Econ. 18)
Pol. and Soc. Ethics (Phil. 9)

Suggested Electives

Practical Banking (Econ. 9)
Labor Problems (Econ. 12)
Contracts (Law 1)

Prescribed Subjects

Auditing (Acc'y 5)
Commercial Law (Econ. 25)
Seminar (Econ. 18)

Suggested Electives

Money Market (Econ. 8)
State and Local Administration (Pol. Sci. 13)
Contracts (Law 1)

COURSES IN RAILWAY ADMINISTRATION

There are two courses offered under the head of railway administration; one emphasizing those subjects which are of most value to the student interested in the accounting and traffic aspects of railway work; the other laying stress upon the transportation service, properly so called, and intended to prepare men directly for the transportation departments of our railways.

Course in Railway Traffic and Accountancy

FIRST YEAR

First Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 2)
Physical Training (P. T. 1, 1a)
Algebra and Trig. (Math. 2, 4)
Economic Resources (Econ. 26)

Second Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 1, 2)
Physical Training (P. T. 1a)
Analytical Geometry (Math. 6)
Econ. Hist. of U. S. (Econ. 22)

SECOND YEAR

Prescribed Subjects

Principles of Econ. (Econ. 1)
Calculus (Math. 8a)
Physics (Phys. 1 and 3)
Military (Mil. 2)

Prescribed Subjects

Money and Banking (Econ. 3)
Business Organization (Econ. 6)
Business Writing (Rhet. 10)
Physics (Phys. 1 and 3)
Military (Mil. 2)

THIRD YEAR

Prescribed Subjects

Accounting (Acc'y 1)
Ind. Accounting (Acc'y 3)
Corporat'n Management (Econ. 10)
Railway History and Organization (Econ. 41)

Prescribed Subjects

Accounting (Acc'y 1)
Adv. Accounting (Acc'y 4)
Indus. Consolid. (Econ. 11)
Railway Administ'n (Econ. 42)
Mathematics of Investments (Math. 23a)

FOURTH YEAR

Prescribed Subjects

Accounting (Acc'y 6, 7)
Traffic Admin. (Econ. 43); or
Railway Practice (Econ. 45)
Sem. in R'y Admin. (Econ. 18)
Commercial Law (Econ. 25)

Suggested Electives

Amer. Fed'l Gov't (Pol. Sci. 1)
Fed'l Constitution (Pol. Sci. 5)

Prescribed Subjects

Accounting (Acc'y 5)
Traffic Admin. (Econ. 43); or
Railway Practice (Econ. 45)
Sem. in R'y Admin. (Econ. 18)
Commercial Law (Econ. 25)

Suggested Electives

State and Local Admin. (Pol. Sci. 13)

Course in Railway Transportation

In addition to the prescribed subjects in this course other subjects may be elected where opportunity offers; six hours of such elections must be from history, political science, advanced language, or ethics.

FIRST YEAR

FIRST SEMESTER

Prescribed Subjects

Foreign Language
Rhetoric (Rhet. 1)
Military (Mil. 2)
Physical Training (P. T. 1, 1a)
Gen. Engin. Drawing (G. E. D. 1)
Algebra and Trig. (Math. 2, 4)

SECOND SEMESTER

Prescribed Subjects

Foreign Language
Rhetoric (Rhet. 1)
Military (Mil. 1, 2)
Physical Training (P. T. 1a)
*Descriptive Geom. (G. E. D. 2)
Anal. Geom. (Math. 6)

SECOND YEAR

Prescribed Subjects

Principles of Econ. (Econ. 1)
Calculus (Math. 7)
Physics (Phys. 1, 3)
Military (Mil. 2)

Prescribed Subjects

Money and Banking (Econ. 3)
Calculus (Math. 9)
Physics (Phys. 1, 3)
Military (Mil. 2)
Anal. Mech. (T. and A. M. 7)
Engines and Boilers (M. E. 11)

THIRD YEAR

Prescribed Subjects

Corporation Management (Econ. 10)
R'y Hist. and Organ. (Econ. 41)
Traffic Admin. (Econ. 43)
Anal. Mech. and Resist. of Materials (T. and A. M. 8, 9)

Prescribed Subjects

Business Writing (Rhet. 10)
R'y Administration (Econ. 42)
Traffic Administration (Econ. 43)
Mech. Engin. Lab. (M. E. 13)
Electrical Engin. (E. E. 16)
Surveying (C. E. 10)

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*This subject is to be taken for three hours' credit only.

FOURTH YEAR

Prescribed Subjects

R'y Practice (Econ. 45)
Sem. in R'y Admin. (Econ. 18)
Accounting (Acc'y 1)
Labor Problems (Econ. 12)
Locomotives (R'y M. E. 1)
Engin. Materials (T. and A. M. 6)

Prescribed Subjects

Railway Practice (Econ. 45)
Sem. in R'y Admin. (Econ. 18)
Accounting (Acc'y 1)
R'y Tests (R'y M. E. 11)

COURSE IN INSURANCE

The work of the first and second years in insurance is the same as in the Course in Railway Traffic and Accounting, except that Econ. 7 (Econ. Hist. of England) takes the place of economic resources (Econ. 26), and that any other science may be taken instead of physics.

Course in Insurance

THIRD YEAR

First Semester

Prescribed Subjects

Accounting (Acc'y 1, 3)
Corporation Management
(Econ. 10)
Statistics (Math. 129)
Amer. Fed'l Gov't (Pol. Sci. 1)

Suggested Electives

Foreign language continued
History of U. S. (Hist. 3)
European Hist. (Hist. 1)
Public Finance (Econ. 5)

Second Semester

Prescribed Subjects

Accounting (Acc'y 1)
Math. of Investments
(Math. 23a)
Statistics (Math. 129)

Suggested Electives

Foreign language continued
Hist. of U. S. (Hist. 3)
European Hist. (Hist. 1)
State and Local Admin.
(Pol. Sci. 13)
Amer. State Gov't (Pol. Sci. 3)

FOURTH YEAR

Prescribed Subjects

Econ. of Insurance (Econ. 33)
Commercial Law (Econ. 25)
Sem. in Insur. (Econ. 18)
Actuarial Theory (Math. 31)

Suggested Electives

Contracts (Law 1)
Pol. and Soc. Ethics (Phil. 9)
Labor Problems (Econ. 12)
Finan. Hist. of U. S. (Econ. 4)
Practical Banking (Econ. 9)

Prescribed Subjects

Property Insurance (Econ. 34)
Commercial Law (Econ. 25)
Sem. in Insur. (Econ. 18)

Suggested Electives

Contracts (Law 1)
Econ. Hist. of Europe (Econ. 13)
Indus. Consolid. (Econ. 11)
Money Market (Econ. 8)

COURSE FOR THE CONSULAR SERVICE

This course is intended for students who plan to take the civil service examinations for consular and diplomatic positions. The electives chosen depend on the country in which the student aims to serve.

Course for the Consular Service

FIRST YEAR

First Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 2)
Physical Training (P. T. 1, 1a)
Economic Resources (Econ. 26)
English Econ. Hist. (Econ. 7); or
European Hist. (Hist. 1)

Second Semester

Prescribed Subjects

Foreign language
Rhetoric (Rhet. 1)
Military (Mil. 1, 2)
Physical Training (P. T. 1a)
Modern Industries (Econ. 27)
Econ. Hist. of U. S. (Econ. 22); or
European Hist. (Hist. 1)

SECOND YEAR

Prescribed Subjects	*Prescribed Subjects*
Principles of Economics (Econ. 1)	Money and Banking (Econ. 3)
Foreign language continued	Business Organization (Econ. 6)
American Fed'l Gov't (Pol. Sci. 1)	Foreign language continued
Science	American State Gov't (Pol. Sci. 3)
Military (Mil. 2)	Business Writing (Rhet. 10)
	Science
	Military (Mil. 2)

THIRD YEAR

Prescribed Subjects	*Prescribed Subjects*
Domestic Commerce (Econ. 28); or	Foreign Commerce (Econ. 29); or
Tariff and Customs Regulations (Econ. 30)	Organization of Ocean Commerce (Econ. 36)
Foreign language continued	Foreign language continued
History of U. S. (Hist. 3)	History of U. S. (Hist. 3)
British Gov't (Pol. Sci. 2a)	Cont. European Gov'ts (Pol. Sci. 2b)

FOURTH YEAR

Prescribed Subjects	*Prescribed Subjects*
Foreign language continued	Foreign language continued
Public Finance (Econ. 5)	Consular and Diplom. Service (Econ. 35)
Pol. and Soc. Ethics (Phil. 9)	Commercial Relations (Econ. 31)
Seminar (Econ. 18)	American Diplomacy (Pol. Sci. 7)
Commercial Law (Econ. 25)	Commercial Law (Econ. 25)
International Law (Pol. Sci. 6)	Seminar (Econ. 18)
Suggested Electives	*Suggested Electives*
Hist. of Latin America and the Philippines (Hist. 27)	Hist. of Latin America and the Philippines (Hist. 27)
Corporation Management (Econ. 10)	Econ. Hist. of Europe (Econ. 13)
Revol. and Napoleonic Era (Hist. 7)	Civil War and Reconstruction (Hist. 15)
	Europe in 19th Cent. (Hist. 20)

GENERAL COURSE IN JOURNALISM

This course is intended to provide a thorough college training in the fields of knowledge with which the journalist is chiefly concerned, rather than mere facility in reporting and writing.

General Course in Journalism

FIRST YEAR

FIRST SEMESTER	SECOND SEMESTER
Foreign language	Foreign language
Rhetoric (Rhet. 1)	Rhetoric (Rhet. 1)
Military (Mil. 2)	Military (Mil. 1, 2)
Physical Training (P. T. 1, 1a)	Physical Training (P. T. 1a)
European History (Hist. 1)	European Hist. (Hist. 1)
Engl. Literature (Engl. 1)	Engl. Literature (Engl. 2)

SECOND YEAR

Rhetoric (Rhet. 3 or 20)	Rhetoric (Rhet. 3 or 20)
Principles of Economics (Econ. 1)	Money and Banking (Econ. 3)
Amer. Fed'l Gov't (Pol. Sci. 1)	Amer. State Gov't (Pol. Sci. 3)
Military (Mil. 2)	Military (Mil. 2)
Science	Business Writing (Rhet. 10)
	Science

THIRD YEAR

Newspaper Writing (Rhet. 12)	Newspaper Writing (Rhet. 12)
Six hours in Economics, Political Science, and History	Six hours in Economics, Political Science, and History

FOURTH YEAR

Adv. Newspaper Writ. (Rhet. 15)
Labor Problems (Econ. 12)
Six hours in Economics, Political Science, Sociology, and History

Adv. Newspaper Writ. (Rhet. 15)
Social Reform (Econ. 21)
Six hours in Economics, Political Science, Sociology, and History

HOUSEHOLD SCIENCE

Students who hold scholarships in household science must make this subject their major, and take each semester at least four hours in household science or in subjects required for admission to the household science courses. The suggested course in household administration is described below. Household science students who do not take that course must meet the following requirements:

First Semester—Physical Training 7, Physiology 6, Rhetoric 1, foreign language, Chemistry 1, Household Science 2.

Second Semester—Physical Training 7, Rhetoric 1, foreign language, Household Science 1, Chemistry 2 and 3.

They must then elect in regular course and finish by the end of the junior year, Botany 5, Chemistry 13a, 9 and 9c, and an additional five hours in botany or zoology. In order to graduate, household science students must also secure credit for Art and Design 1, Art and Design 12, Art and Design 19, and Economics 1.

Students in household science must also satisfy the requirements for graduation in the College of Literature and Arts, in so far as these are not covered by the courses above mentioned.

Suggested Course in Household Administration

FIRST YEAR

FIRST SEMESTER

Rhetoric and Themes (Rhet. 1)
Free Hand Drawing (Art & D. 1)
Home Architecture & Sanitation (Household Science 2)
Foreign language
Physical Training
Hygiene (Physiology 6)
English Literature before the 19th Century (English 1)

SECOND SEMESTER

Rhetoric & Themes (Rhet. 1)
Applied Design (Art & Design 12)
Foreign language
Physical Training
Introductory Zoology (Zool. 1)

SECOND YEAR

Short History of Art (Art and Design 19)
Foreign language or History 4 or
Textiles (H. Science 7)
Inorganic Chemistry (Chem. 1)

Foreign language or history continued
Principles of the Selection and Preparation of Food (H. Sci. 1)
History of the U. S. (History 3)
Art and Design 19

Suggested Electives

Inorganic Chemistry (Chem. 2)
Qualitative Analysis (Chem. 3)
History
Modern Philosophy (Phil. 4)

THIRD YEAR

First Semester

Economic Uses of Food (H. Sci. 6)
Elementary Psychology (Psych. 1)
Physiology 4 (Minor Course)
Economics 1

Second Semester

Dietetics (H. Science 5)
Elementary Home Decoration (H. Science 3)
Household Art and Clothing (H. Science 12)
Elementary Psychology (Psych. 7)
Economics of the Family (H. Sci. 15)

FOURTH YEAR

Household Management (H. Science 10)
History of Home Economics (H. Science 13)
Principles of Accounting (Acc'y 1)
Economics of the Family (H. Science 16)*
Pol. and Soc. Ethics (Philosophy 9)
Sociology 1

Suggested Electives

Sanitary Analysis (Chem. 10a)
Principles of Education (Edu. 1)
Comparative and Genetic Sociology (Soc. 3)
Vertebrate Embryology (Zool. 3)
Philosophy 8

Principles of Accounting (Acc'y 1)
Commercial Law (Econ. 25)
Economics of the Family continued (H. Science 16)*
Ethics (Philosophy 7)

Suggested Electives.

History and Criticism of Art (Art and Design 19)
Food Analysis (Chem. 5c)
Social Phases of Education (Edu. 16)
Charities, Corrections, and Urban Problems (Soc. 5)
Physiological Psychology (Psych. 9)
Vertebrate Embryology (Zool. 3)

COURSE PRELIMINARY TO LAW

It is recognized by the best authorities on legal education that professional studies in law should be preceded by a thorough course of liberal training in the humanities and the sciences. As a foundation for the study and practice of law, the following subjects offered by this College are of special importance: English, with special reference to composition and public speaking; Latin and French; logic; constitutional and political history; political science; economics; sociology. An outline of a course preliminary to law is given below, page 146.

By the proper selection of his studies it is possible for a prospective law student to take both his degree in arts and his degree in law in six years; and a strong student may be able to take his bachelor's degree in arts at the close of his first year in the College of Law. The following courses in the College of Law, not exceeding a total of 17 hours, may be counted for the degree of bachelor of arts: Law 1 (Contracts); Law 2 (Torts); Law 3 (Real Property); Law 6 (Personal Property). Some of these courses, not exceeding 9 hours, may, by special permission of the Dean, be taken in the junior year. If the student is also a candidate for the degree of LL.B., he should in his fourth year register in the College of Law and pay the usual fee of that College. *Students are not permitted*

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*Household Science 16 consists of problems in the economics of the family. See Economics 18.

to take this law work until their junior year. A fee of five dollars is charged for every law subject taken by students who do not pay the regular law school fee. Students admitted to this University from other institutions may count these law courses for the degree of A.B. only on condition of completing at least 30 hours' work in residence in subjects offered by the Faculty of the College of Literature and Arts.

In the course outlined below the subjects specifically prescribed for graduation in the College of Literature and Arts are indicated by italics. In general the subjects listed are suggested only and not prescribed. Not more than eighteen hours should be taken in any semester.

Course Preliminary to Law

FIRST YEAR

FIRST SEMESTER	SECOND SEMESTER
Military 2	*Military 1 and 2*
Physical Training 1 and 1a	*Physical Training 1*
Rhetoric 1	*Rhetoric 1*
Foreign language	*Foreign language*
Continental European History (Hist. 1)	Continental European History (Hist. 1)
Science	Science

SECOND YEAR

Military 2	*Military 2*
Amer. Government (Pol. Sci. 1)	Amer. State Gov't (Pol. Sci. 3)
Hist. of U. S. to 1789 (Hist. 3)	Hist. of U. S. after 1789 (Hist. 3)
Principles of Economics (Econ. 1)	Money and Banking (Econ. 3)
Foreign language	Foreign language
Psychology 1	Psychology 2
Public Speaking (Rhet. 7)	Public Speaking (Rhetoric 7)
Engl. Lit. before Nineteenth Century (Engl. 1)	Engl. Literature in Nineteenth Century (Engl. 2)
Logic (Phil. 1a)	Amer. Literature (English 16)
Amer. Literature (Engl. 16)	History of Europe in Nineteenth Century (Hist. 20)

THIRD YEAR

Constitutional Hist. England (Hist. 4)	Constitutional Hist. England (Hist. 4)
Intercollegiate Debating (Rhet. 13)	Intercollegiate Debating (Rhet. 13)
Corporation Management (Econ. 10)	Industrial Consolidations (Econ. 11)
Principles of Accounting (Acc'y 1)	Principles of Accounting (Acc'y 1)
Federal Constitution (Hist. 14)	English Literature, 3 hours
Municipal Government (Pol. Sci. 4)	Administrative Law (Pol. Sci. 10)
English Literature, 3 hours	Hist. of Illinois (Hist. 17)
Public Finance (Econ. 5)	
Sociology (Sociol. 1)	
Elements of Jurisprudence (Pol. Sci. 9)	

FOURTH YEAR

Contracts (Law 1)	Contracts (Law 1)
Torts (Law 2)	Torts (Law 2)
Personal Property (Law 6)	Real Property (Law 3)
International Law (Pol. Sci. 6)	Railway Administration (Econ. 42)
Labor Problems (Econ. 12)	Hist. of Civil War and Reconstruction Periods (Hist. 15)
R'y Organ. and Hist. (Econ. 41)	
Economies of Insurance (Econ. 33)	
Political and Social Ethics (Phil. 9)	

COMBINED ARTS AND ENGINEERING COURSE

A graduate of the College of Literature and Arts, whose mathematical training includes the work of the calculus, who has had the usual college course in physics, and sufficient training in the principles of mechanics to enable him to begin the mechanics of the junior year, may receive the degree of Bachelor of Science in the departments of the College of Engineering upon the completion of sixty-eight credit hours in such lines (including thesis) as may be directed by the faculty. This work may ordinarily be done in two academic years. Candidates for the degree in the department of architecture are not required to be prepared in calculus or mechanics, but should possess special preparation in drawing. The courses in the College of Engineering which may be counted for the degree of A.B. are listed on page 134 above.

HONORS

The Honor Degree

The faculty of the College of Literature and Arts have been authorized to recommend candidates for the degree of A.B. with honors in a particular subject. Candidates for the degree with honors will be recommended by the faculty under the following conditions:

1. The amount of work required in the honor subject shall be that required for a major in that subject.

2. The candidate must also offer two minor subjects. Not less than 9 hours will be accepted in either subject, and the aggregate for both subjects must be at least 24 hours.

3. The work done in the minor subjects must be of a distinctly superior quality; grades of at least 85 are required in all the minor subjects; especially poor or careless work in any other subject may, by vote of the faculty, cause the honor degree to be withheld.

4. Each candidate is required to present an acceptable thesis in his major subject; the thesis may be written in connection with some recognized course in the department.

5. The honor subjects at present recognized in this College are as follows: The classics (either the classics as a whole, or Greek or Latin separately), economics, education, English, German, French, history, mathematics, philosophy, political science, psychology, sociology. The specific requirements for honors in particular subjects

are stated in connection with the description of courses for the several departments, pages 284ff below.

The purpose of these honors is not to encourage premature specialization, but to give special recognition to students who have pursued with success carefully correlated courses of study, and to emphasize the importance, for scholarship in any given subject, of thorough training in other more or less related subjects. Candidates should announce their intention as early as possible in their college course and consult freely with the head of the department concerned in regard to the selection of their studies.

Preliminary Honors

The University regulations regarding preliminary honors are stated above, page 110.

Freshman Honors

At the close of each year a list of those members of the freshman class who have made an especially good record in scholarship is prepared. The names of such students are announced at an assembly of the College; notice is also sent in each case to the parent or guardian, and to the principal of the high school of which the student is a graduate.

HONORARY SOCIETIES

Phi Beta Kappa Society.—Each year a certain number of the ranking students of the senior class are elected to membership in the Phi Beta Kappa Society. The number is ordinarily limited to one-fifth of the total membership of the graduating class.

Phi Beta Kappa Prize

Gamma of Illinois chapter of Phi Beta Kappa offers annually a prize of $25.00 to that member of Gamma Chapter who at his graduation from the College of Literature and Arts gives evidence of greatest promise as a scholar in the domain of liberal arts. The award is based on the following considerations: (a) Class room records; (b) other literary and scholarly activities in the University; (c) an essay, which may be a senior thesis or a term paper. At the discretion of the committee in charge, the award may be withheld if none of the essays appears worthy of the prize. Essays submitted in competition and all correspondence with reference to this prize should be addressed to the Secretary of the Phi Beta Kappa Society, University of Illinois.

Sigma Xi.—Members of the senior class in the College of Literature and Arts who give "promise of marked ability" in scientific investigations are also eligible to membership in the Sigma Xi Society, which was founded to encourage research in pure and applied science.

Delta Sigma Rho.—This is a national honorary fraternity the membership of which is confined to university and college debaters and orators.

Delta Kappa Chi.—This is an honorary business fraternity, the members of which are selected on the basis of high scholarship and the possession of those qualities which promise success in business life. Six juniors are elected at the end of the first semester and four more at the end of the year.

Kappa Delta Pi.—This society is composed of ranking students who have pledged themselves to professional educational work. Only members of the junior and senior classes are eligible to membership.

THE COLLEGE OF SCIENCE

For a description of the *buildings* used by this College, see page 66; for *collections* belonging to it (botany, entomology, geology, and zoology), see page 73; for a summary of its *courses,* see page 81; for *clubs and societies* auxiliary to its courses of study, see page 116; for *fees,* see page 123.

PURPOSES

The College of Science offers two distinct groups of courses. The purpose of the first group is to furnish a well balanced general education as a preparation either for distinctly professional studies, for teaching, or for business life. These courses require major work in at least one branch of science,[1] but also require work in some foreign language and in other literary or philosophical subjects. The courses of this group lead to the degree of Bachelor of Arts.

The courses of the second group are more technical in character and are designed to prepare students for a professional career of a specific character. In these courses but little opportunity for elective studies can be offered. Upon completion of the course the degree of Bachelor of Science, usually with a special designation, is given.

A portion of the work of a student registering in this College may be selected, in accordance with the provisions described in the following pages, from the offerings of the other colleges or schools of the University.

ADMISSION

See the general statement of the entrance requirements of the University, page 85.

SPECIAL STUDENTS

See the statement of the general University regulations in regard to special students, page 106.

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[1] For list of Majors, see page 152.

COURSES LEADING TO THE A. B. DEGREE

The courses of study leading ordinarily to the degree of Bachelor of Arts are the General Course in Science and the Six-Year Medical Course. Attention is called also to the combined courses in Science and Engineering. A similar combination can also be made in Science and Agriculture.

GENERAL COURSE IN SCIENCE

To graduate from a general course in science the following requirements must be fulfilled:

1. The student must complete the work indicated in the prescribed list, except that physics and chemistry will not be required of students who have had one-year courses in these subjects in an accredited high school or acceptable equivalent courses elsewhere.

2. There must be obtained from the five groups of electives the number of hours' credit mentioned under each group. The physics and chemistry of the prescribed list may be applied on the requirements of Groups 1 and 2. Students who have had three years of work in foreign language in an accredited high school, or an equivalent course elsewhere, will be relieved from the requirement of Group 4. Those who have had one year or two years of high school language may be relieved from 4 hours or 8 hours respectively of the requirement of Group 4. No credit is given for a part of the first university year of any language.

3. A total credit of at least 20 hours must be secured in some one of the divisions of the major elective list. Not more than 40 hours' work (exclusive of thesis) in any one of these divisions may be applied toward graduation. In arranging the subjects to be counted toward the major requirement the student is advised to consult with the head of the department in which the major is taken.

4. The student must secure enough additional credits from the general elective list to complete the graduation requirement of 130 hours.

GENERAL CLASSIFICATION OF SUBJECTS

PRESCRIBED LIST

Chemistry 1
Physics 2a, 2b (or 1, 3)
Rhetoric 1
Military Science 1, 2
Physical Training—
  Men, 1, 3
  Women, 7, 9

GROUP ELECTIVES

Group 1. 8 hours required

- Mathematics
- Physics
- Astronomy
- Logic (Philosophy 1)
- Mineralogy (Geology 5)

Group 2. 8 hours required

- Chemistry
- Geology
- Household science
- Bacteriology (Botany 5)

Group 3. 8 hours required

- Botany
- Zoology
- Physiology
- Psychology
- Entomology

Group 4. 16 hours required

- Foreign language

Group 5. 8 hours required

- English literature
- History
- Political science
- Economics
- Philosophy
- Education

MAJOR ELECTIVES

- Astronomy
- Botany
- Chemistry
- Education
- Entomology or zoology
- Geology (including mineralogy and physical geography)
- Household science
- Library science
- Mathematics
- Physics
- Physiology
- Psychology
- Zoology or entomology

GENERAL ELECTIVES

The subjects offered as general electives include not only those branches given by the departments of this College, but also those offered by the other colleges and schools of the University. Courses in history, economics, languages, literature, and philosophy, given in the College of Literature and Arts; those in agronomy, animal husbandry, and horticulture, given in the College of Agriculture; and certain courses given in the College of Engineering and in the Library School afford abundant material from which elections may be made.

Approximately one-third of the work to be counted toward graduation may be selected, subject to the approval of the Dean, from the subjects given in other colleges of the University, if the student so desires.

THESIS

A thesis course may be taken in any department (subject to the approval of the head thereof) in which the student has done 20 hours of major work preceding his senior year. Students desiring to take a thesis course in geology or mineralogy may add to their credits in those subjects the credits received for chemistry; and students in physiology may add to their credits in that subject those in zoology and bacteriology. Only students graduating with a thesis will, as a rule, be selected for fellowships, scholarships, and other similar university honors. Candidates for special honors are required by the general university regulations to write a thesis.

PROSPECTUS OF COURSE IN SCIENCE

First Year

Fifteen to eighteen hours a week, including military and physical training, must be chosen each semester.

Military science and tactics are required of all male students. Drill extends through the freshman and sophomore years, and tactics through the second semester of the freshman year.

Physical training is required of all freshmen, men and women, two hours for men and three hours for women.

The following subjects are open to freshmen:

FIRST SEMESTER

Prescribed Subjects[1]: Chemistry 1; Rhetoric 1; Military 2;

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[1] See page 151, requirement 1.

Physical Training 1 and 1a for men; 7 and 9 (Physiology 6), for women.

Group 1: Astronomy 1; Mathematics 2, 4.

Group 2: Chemistry 1a, Chemistry 3 (for those who have had Chemistry 1 or its equivalent); Geology 1, 3, 14; Household Science 2.

Group 3: Botany, 2, 4, 11; Entomology 1; Physiology 4; Zoology 1.

Group 4: French 1; German 1, 4 (for those offering two units for entrance); Greek 1, 3, 5, 7; Latin 1 (for those offering three units for entrance); Spanish 1.

Group 5: Economics 7, 26; English 1; History 1.

General Electives: See statement on page 153.

SECOND SEMESTER

Prescribed Subjects[1]*:* Rhetoric 1; Military 1, 2; Physical Training 1 and 1a, for men; 7 and 9 (Physiology 6), for women.

Group 1: Astronomy 4; Mathematics 3a, 6.

Group 2: Chemistry 1, 1a, 2, 3, and 13a (after Chemistry 2 and 3); Geology 1a, 6, 8, 10; Household Science 1.

Group 3: Botany 1, 16, 17; Entomology 1, 3; Zoology 2, 1, 16.

Group 4: French 1; German 3, 5, 6 (after German 4); Greek 1, 4, 6, 8; Latin 1; Spanish 1.

Group 5: Economics 22, 26; English 2; History 1, 11.

General Electives: See statement on page 153.

LIBRARY SCIENCE

Library Science has been added to the list of major electives to meet the needs of those who are preparing for positions in scientific libraries, but are unable to complete the course as outlined in the Library School.

PREPARATION OF SCIENCE TEACHERS

To graduate with a preparation for the teaching of science in the secondary schools, the student must meet the requirements of the general science course, choosing his major in that group containing the subjects which he wishes especially to teach, and adding Education 1, 3, and 7, Psychology 1, Philosophy 1, and at least four hours more in education or psychology.

As to the amount and the character of the work which should be taken in the major subject and those allied to it, the student should consult with the head of the department in which the principal work is taken. See also the circular of the School of Education.

COURSE IN SCIENCE AND ENGINEERING

A graduate of the College of Science whose mathematical training includes the work of the calculus, who has had the usual college course in physics, and sufficient training in the principles of mechanics to enable him to begin the mechanics of the junior year, may receive the degree of Bachelor of Science in Engineering upon the completion of 68 semester hours of work in engineering (including thesis) under the direction of the faculty of the College of Engineering. This work may ordinarily be done in two academic years. Candidates for the degree in the department of architecture are not required to be prepared in calculus or mechanics, but should have special preparation in drawing.

HOUSEHOLD SCIENCE

The courses of instruction given in this department are planned to meet the needs of three classes of students: (a) those students who specialize in other lines of work, but desire a knowledge of the general principles and facts of household science; (b) those students who wish to make a specialty of household science for the purpose of teaching the subject in secondary schools and colleges; (c) those students who wish some knowledge of the principles underlying the work of dietitians.

Household Science may be taken as a major in the College of Science by meeting the requirements concerning majors as prescribed in the General Course in Science. Holders of scholarships in household science may take the subject as a major or may take the following suggested course, arranged especially to meet the needs of those preparing to teach the subject.

Students who have had three years of work in foreign language in an accredited high school, or an equivalent course elsewhere, will be relieved from the requirement of 16 hours of foreign language. Those who have had one year or two years of high school language may be relieved from 4 hours or 8 hours, respectively, of this requirement. No credit is given for a part of the first university year of any language.

The student must secure enough additional credits from the general elective list as described in the General Course in Science to complete the graduation requirement of 130 hours.

Suggested Course for Teachers of Household Science

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
Chemistry 1	5	Household Science 1	3
Household Science 2	2	Chemistry 2 and 3	5
Zoology 1	5	Rhetoric 1	3
Rhetoric 1	3	Mathematics 4	2
Physical Training 7 and 9	2	Art and Design 1	2
		Physical Training 7	1
	17		16

SECOND YEAR

Chemistry 13a	5	Chemistry 9 and 9c	5
Household Science 7	2	Household Science 12	3
Household Science 6	3	English 2	4
English 1	4	Economics 2	2
Art and Design 12	3		
	17		14

THIRD YEAR

Physiology 4	5	Household Science 3	2
Physics 2a and 2b	4	Household Science 5	3
Household Science 10	2	Botany 5	5
Foreign language and electives	4	Foreign language and electives	5
	15		15

FOURTH YEAR

Household Science 4	5	Household Science 11	3
Education 1	5	Education 6	2
Household Science 13	1	Electives	10
Electives	4		
	15		15

The following subjects are suggested as electives for the junior and senior years: Psychology 1, 2; Botany 1; foreign language.

SIX-YEAR MEDICAL COURSE

In addition to the usual four-year medical course (see page 257), the University offers a six-year course in general science and medicine. This course leads to the degree of Bachelor of Arts upon the completion of four years' work, and to the degree of Doctor of Medicine at the end of the six-year course. It includes everything contained in the four-year medical course, and in addition enables the student to go more deeply than would otherwise be possible into the fundamental sciences upon which medical studies are based.

Students who wish so to combine their work in general science with their professional studies in medicine as to receive both degrees may accomplish this purpose by pursuing at the University in Urbana the three years' work described below, including a year of medical studies, and then continuing their medical work in the College of Medicine in Chicago.

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[1] Semester hours. For definition see page 132.

Six-Year Medical Course

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
General Chemistry (Chem. 1)	5	Descrip. Inorg. Chem. (Chem. 2)	2
Rhetoric and Themes (Rhet. 1)	3	Qualitative Analysis (Chem. 3)	3
Military (Mil. 2)	1	Rhetoric 1	3
Physical Training	1	Military (1, 2)	2
Trigonometry (Math. 4)	2	Physical Training	1
Zoology 1	5	Zoology 2	5
Total	17	Total	16

SECOND YEAR

	S. H.		S. H.
German 1 or 4, or Latin[2]	4	German 3 or 5 or 6, or Latin[2]	4
Zoology 3	3	Zoology 3	3
Quantitative Analysis (Chem. 5a)	5	Organic Chem. (Chem. 9, 9c)	5
Military 2	1	Military 2	1
Physics 2a, 2b	4	Physics 2a, 2b	4
Total	17	Total	17

THIRD YEAR

	S. H.		S. H.
German 4	4	German 5 or 6	4
Physiology 1 (Histology)	5	Physiology 2	10
Physiological Chem. (Chem. 15)	5	Botany 5 (Bacteriology)	5
Psychology 1, 9	5	Total	19
Total	19		

FOURTH YEAR

Students who can afford it would do well to spend a fourth year in continuing this course. For such students no group requirements are *prescribed*—each is given free choice in selecting what he needs to round out his general education, or to prepare to specialize in some line of his future work; a selection from the following courses is recommended: Bacteriology; Chemistry 5b, 5c, 9a, 9b, 14, 21, 22, 31, 105, and 106; Entomology 2, 3; Physiology 5; Psychology 113; Zoology 7, 8, 13, 13a; modern languages; and studies included in Group 5 of the general course in science. Upon the completion of this fourth year, the student takes his baccalaureate degree before going to the College of Medicine.

Students who complete at the University the three years of prescribed work as outlined above will be given the degree of Bachelor of Arts at the commencement next following the completion in the College of Medicine of a year's work, including work in human anatomy, physiology of the special senses and of the nervous system, therapeutics, general pathology, pathological anatomy, and surgical pathology.

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[1] Semester hours. For definition see page 132.

[2] If Latin has not been offered for entrance.

The following subjects included in the above prospectus also count toward the medical degree: chemistry (general organic, qualitative and quantative analysis, and toxicology), biology (zoology), physiology, physiological chemistry, normal histology, embryology, and bacteriology.

Upon the satisfactory completion of the remaining three years of the medical course the University will confer the degree of Doctor of Medicine.

COURSES LEADING TO THE B. S. DEGREE

The following courses of instruction in this College lead ordinarily to the degree of Bachelor of Science.

COURSE IN CERAMICS

To graduate in ceramics the student must follow one of the courses outlined below. The conditions are such that little election can be allowed.

Special courses will be arranged for those who wish a limited amount of work in ceramics, but those pursuing them will not be entitled to a degree and will not be recognized as graduates.

Course in Ceramics

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
Chemistry 1	5	Chemistry 2 and 3	5
Adv. Algebra, Math. 2	3	Analyt. Geom., Math. 6	5
Trig., Math. 4	2	Descript. Geom., G. E. D. 2	3
Gen. Eng. Drawing 1	3	Shop Practice, M. E. 41	2
Shop Practice, M. E. 41	2	Mil. and Phys. Tr.	2
Mil. and Phys. Tr.	2		
	17		17

SECOND YEAR

First Semester	S. H.	Second Semester	S. H.
Physics 1 and 3	5	Chemistry 5a	5
Calculus, Math. 8a	5	Elements of Mechanics T. & A. M. 14	4
Rhetoric 1	3	Physics 1 and 3	4
Ceramic Materials, Cer. 1	3	Rhetoric 1	3
Military Drill	1	Military Drill	1
	17		17

THIRD YEAR

First Semester	S. H.	Second Semester	S. H.
German 4 or French 2	4	German 6 or French 2	4
Winning & Prep., Cer. 2	3	Silicate Anal., Chem. 5b	5
Indust. Calc., Cer. 3	3	Body Making, Ceram. 5	5
Strength of Materials, T. & A. M. 15	3	Surveying, C. E. 10	2
Designing & Shaping, Cer. 12	3		
	16		16

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[1] Semester hours. For definition see page 132.

FOURTH YEAR

Mineralogy, Geol. 5	5	Eng. Geol., Geol. 13	5
Glasses and Glazes, Cer. 8	5	Engines and Boilers, M. E. 11	3
Cements, Cer. 10	3	Glasses and Glazes, Cer. 8	3
Drying and Burning, Cer. 4	4	Thesis, Cer. 11	5
	17		16

Course in Ceramic Engineering

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
Chemistry 1	5	Chemistry 2 and 3	5
Adv. Algebra, Math. 2	3	Analyt. Geom., Math. 6	5
Trig., Math. 4	2	Descript. Geom., G. E. D., 2	3
Shop Practice, M. E. 41	2	Shop Practice, M. E. 41	2
Gen. Eng. Draw., 1	3	Mil. and Phys. Tr.	2
Mil. and Phys. Tr.	2		
	17		17

SECOND YEAR

Physics 1 and 3	5	Analyt. Chemistry, Chem. 5a	4
Calculus, Math. 7	5	Physics 1 and 3	4
Rhetoric 1	3	Calculus, Math. 9	3
Ceramic Materials, Cer. 1	3	Theoret. and App. Mechan. 7	3
Military	1	Rhetoric 1	3
		Military	1
	17		18

THIRD YEAR

Analyt. Mechanics, T. & A. M. 8	2½	Steam Engines & Boilers, M. E. 11	3
Resistance of Materials, T. & A. M. 9	3½	Body Making, Cer. 5	5
Winning & Prep., Cer. 2	3	Silicate Analysis, Chem. 5b	5
Designing & Shaping, Cer. 12	3	German 6 or French 2	4
German 4 or French 2	4	Surveying, C. E. 10	2
Mining Methods, Min. 3	2		
	18		19

FOURTH YEAR

Cements, Cer. 10	3	Ceramic Const., Cer. 9	5
Drying & Burning, Cer. 4	4	Engineering Geol., Geol. 13	5
Glasses & Glazes, Cer. 6	5	Glasses & Glazes, Cer. 8	3
Industr. Calculat., Cer. 3	3	Thesis, Cer. 11	4
	15		17

COURSE IN CHEMISTRY

A student may pursue a course in general science having chemistry as a major subject by conforming to the group requirements as outlined on page 151. Upon the completion of the course the candidate is granted the degree of Bachelor of Arts.

For the more specialized training of the chemist the following course, largely prescribed, has been arranged. It leads to the degree of Bachelor of Science in chemistry.

Preliminary preparation in German equivalent to two years of high school work or one year of university work is advised. Students who are unable to offer this may take German 1 and 3 in the freshman year, but will be required to take German 4 and 5 or 6 in place of other electives.

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[1] Semester hours. For definition see page 132.

Course in Chemistry

FIRST YEAR

First Semester	S. H.*	Second Semester	S. H.*
General Elementary Chemistry (Chem. 1)	5	Analytical Geometry (Math. 6)	5
Trigonometry (Math. 4)	2	Descriptive Inorganic Chemistry (Chem. 2)	2
Advanced Algebra (Math. 2)	3	Qualitative Analysis (Chem. 3)	3
German 4	4	German 5 or 6	4
Military (Mil. 2)	1	Military (Mil. 2)	1
Gymnasium (Phys. Tr.)	1	Drill Regulations (Mil. 1)	1
		Gymnasium (Phys. Tr.)	1
Total	16	Total	17

SECOND YEAR

	S. H.		S. H.
French 1	4	French 1	4
Quantitative Anal. (Chem. 5a)	5	Advanced Anal. Chem. (Chem. 5b)	5
Physics 1, 3	5	Rhetoric 1	3
Rhetoric 1	3	Physics 1, 3	4
Military (Mil. 2)	1	Military (Mil. 2)	1
Total	18	Total	17

THIRD YEAR

	S. H.		S. H.
Mineralogy (Geology 5)	5	Organic Chemistry (Chem. 14, 9b)	5
Organic Chemistry (Chem. 14, 9a)	5	Physical Chem. (Chem. 31, 33)	5
Seminar (Chem. 93)	1	Seminar (Chem. 93)	1
Economics	2	Electives	3
Differential and Integral Calculus (Math. 8a)	5	English 1 or History 3	4
Total	18	Total	18

FOURTH YEAR

	Hours		Hours
Seminar (Chem. 93)	1	Seminar (Chem. 93)	1
Thesis	5	Ind. Chem. (Chem. 61)	2
Electives in Chem.	5	Thesis	5
Electives, history, economics or equivalent	5	Electives	8
	16		16

The electives of the junior year and ten hours of the electives of the senior year must be taken elsewhere than in the chemistry department. Some biological subject, philosophy, history, and economics are recommended.

COURSE IN CHEMICAL ENGINEERING

The work of the technical chemist or superintendent is frequently so closely associated with mechanical and other engineering lines as to make a knowledge of these subjects essential. To meet these conditions, the following four-year course in chemistry and related engineering subjects has been arranged. The degree given is that of Bachelor of Science in chemical engineering.

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*Semester hours. For definition see page 132.

Preliminary preparation in German equivalent to two years of high school or one year of University work is *prescribed*. It is also advised that students intending to take this course be prepared to offer mechanical drawing and manual training for entrance.

Where this preliminary training is lacking, students are advised, if possible, to register in shop work and general engineering drawing during the early years of their course.

Course in Chemical Engineering

FIRST YEAR

First Semester	S. H.*	Second Semester	S. H.*
General Elementary Chemistry (Chem. 1)	5	Analytical Geometry (Math. 6)	5
Trigonometry (Math. 4)	2	Descriptive Inorganic Chemistry (Chem. 2)	2
Advanced Algebra (Math. 2)	3	Qualitative Analysis (Chem. 3)	3
German 4	4	German 5 or 6	4
Military (Mil. 2)	1	Military (Mil. 2)	1
Gymnasium (Phys. Tr.)	1	Drill Regulations (Mil. 1)	1
		Gymnasium (Phys. Tr.)	1
Total	16	Total	17

SECOND YEAR

	S. H.		S. H.
Differential and Integral Calculus (Math. 8a)	5	Analytical Mech. (T. & A. M. 7)	3
Quantitative Anal. (Chem. 5a)	5	Advanced Analytical Chemistry (Chem. 5b)	5
Physics 1, 3	5	Rhetoric 1	3
Rhetoric 1	3	Physics 1, 3	4
Military (Mil. 2)	1	Military (Mil. 2)	1
Total	19	Total	16

THIRD YEAR

	S. H.		S. H.
Gas and Fuel Anal. (Chem. 65)	2	Inorganic Preparation (Chem. 61)	2
Mineralogy (Geol. 5)	5	Physical Chem. (Chem. 31, 33)	5
Analytical Mech. (T. & A. M. 8)	2½	Organic Chem. (Chem. 14, 9b)	5
Resistance of Materials (T. & A. M. 9)	3½	Chem. Technology (Chem. 6)	2
Organic Chem. (Chem. 14, 9a)	5	Seminar (Chem. 93)	1
Seminar (Chem. 93)	1		
Total	19	Total	15

FOURTH YEAR

	S. H.		Hours
Assaying (Chem. 69)	2	Electives in Chemistry	3
Electro-chemistry (Chem. 35)	3	Thesis (Chem. 11)	5
Economics, philosophy or equivalent	3	Steam Engines and Boilers (M. E. 11)	3
Metallurgy (Chem. 7)	2	E. E. 1	2
Thesis (Chem. 11)	5	Seminar (Chem. 93)	1
Seminar (Chem. 93)	1	Economics or Philosophy	3
Total	16		17

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*Semester hours. For definition see page 132.

HONORS

Preliminary Honors are assigned on the completion of the sophomore year, on the basis of the scholarship of the student during the freshman and sophomore years. A failure disqualifies a student for receiving these honors.

Final Honors are assigned on graduation. The basis for the assignment is the scholarship of the student during the junior and senior years. A failure received in the junior or senior year disqualifies a student for receiving final honors.

Special Honors are awarded at the close of the senior year. Special honors are planned for especially brilliant students who prefer to concentrate their efforts upon a special course. A student may be a recipient of both final and special honors. No student is eligible for special honors who, during his senior year, has received a grade of less than eighty-five per cent in any subject.

The names of all students receiving honors appear in the University catalog.

HONORARY SOCIETIES

Sigma Xi.—Membership in this honorary society is open to students in the College of Science. Selections are made from the senior class; the number elected may not exceed one-fifth of the total number graduating from the College. Qualification for membership, while taking account of scholarship, is primarily based upon evidence of positive ability to carry on investigational work.

Phi Lambda Upsilon is an honorary chemical society, membership in which is based primarily upon scholarship.

THE COLLEGE OF ENGINEERING

For a description of the *buildings* used by this College, see page 67; for *collections* belonging to it (architecture, civil engineering, electrical engineering, and mechanical engineering), see page 75; for *clubs and societies* auxiliary to its courses of study, see page 116; for *fees,* see page 123.

GENERAL STATEMENT

The purpose of the College is to train young men for the profession of engineering. In arranging its courses of study and practice, cultural subjects have not been neglected, but are interwoven with the strongly theoretical subjects which underlie and reinforce the more practical developments of the several departments. The instruction of the classroom and the practice afforded by the library, the drafting-room, and the laboratory proceed hand in hand. Throughout his course the student works upon problems, and proceeds by methods which are similar to those which enter into the experience of the practicing engineer.

The buildings, laboratories, and other facilities of the College are elsewhere described.

ADMISSION

See the general statement of the entrance requirements of the University, page 85.

SPECIAL STUDENTS

See the statement of the general University regulations in regard to special students, page 106.

DESCRIPTION OF DEPARTMENTS

The College of Engineering comprises the following departments:

Department of Architecture, with courses in—
- Architecture
- Architectural Engineering

DEPARTMENT OF CIVIL ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
DEPARTMENT OF MINING ENGINEERING
DEPARTMENT OF MUNICIPAL AND SANITARY ENGINEERING
DEPARTMENT OF THEORETICAL AND APPLIED MECHANICS
DEPARTMENT OF PHYSICS
SCHOOL OF RAILWAY ENGINEERING AND ADMINISTRATION
DEPARTMENT OF RAILWAY ENGINEERING, with courses in—
    Railway Civil Engineering
    Railway Electrical Engineering
    Railway Mechanical Engineering

ARCHITECTURE

The department of architecture offers two courses leading to the first degree, the course in architecture and the course in architectural engineering. The aim of these courses is to give the broadest preparation for the practice of architecture.

The course in architecture aims primarily to train the student to produce correct, thoughtful, and beautiful works of architecture. The schedule of studies includes a broad field of liberal and scientific subjects to supply the background for creative work and to give a knowledge of the principles involved in the processes of safe and economical construction. The main portion of the course, however, consists of the study of architectural forms and principles and their application in architectural design. The course also includes the training of the eye to recognize correct proportion and the training of the hand to skillful and rapid drawing.

The course in architectural engineering gives a thorough groundwork in mathematics and applied mechanics, and includes such studies as strength of materials, bridge, mill, and tall building construction, reinforced concrete, etc. The general principles learned in the study of these subjects are applied to all forms of building construction in a course given in the senior year, known as architectural engineering. While specializing in construction, this course includes also the study of the forms and principles of architecture through such subjects as free-hand drawing, architectural history, architectural drawing, and architectural design.

Both courses in architecture prepare the student for the examinations of the Illinois State Board of Examiners of Architects, and graduates of the department are exempt from examinations required for entrance into the American Institute of Architects.

EQUIPMENT

The collections of rendered and working drawings, lantern slides, plates, photographs, casts, specimens of American woods, building materials, and appliances are noted under "Collections" on page 75. A Zeiss epidiascope is used for direct projection of photographs, colored plates, etc., and a double electric lantern for projecting two pictures on the screen at once for comparative study. Geometrical and architectural models are lighted by a light fixed at the conventional angle for demonstration of the subjects of shades and shadows and conventional rendering. Extensive wall space in the corridors of the department and in all drafting rooms has been prepared for exhibition purposes, and a collection of instructive and interesting drawings is constantly displayed. The department occupies the entire fourth floor of Engineering Hall, and its quarters include drafting rooms for undergraduate and graduate work, library room, lecture rooms, studio for free-hand drawing, instructors' offices, etc.

CIVIL ENGINEERING

The purpose in this department is to furnish a course of theoretical instruction, accompanied and illustrated by a large amount of practice. While the instruction aims to be practical by giving the student information and practice directly applicable in his future professional work, the prime object is the development of the mental faculties. The power to acquire information and the ability to use it are held to be of greater value than any amount of so-called practical knowledge.

EQUIPMENT

This department has an equipment of compasses, engineers' transits, solar transits, levels—ordinary and precise—plane tables, sextants, chronometers, barometers, etc. The department is also provided with a collection of structural shapes, including full-sized joints of an actual railroad bridge, sections of columns, I-bars, etc., and with lithographs, photographs, and blue-prints of bridges and buildings.

The *cement laboratory* occupies rooms in the Mechanical Engineering Laboratory, and is provided with slate tables, testing machines, molding machines, sieves, etc., and sample barrels of hydraulic cement, varieties of sand, and other necessary materials.

The *road laboratory* occupies a room in the Mechanical Engineering Laboratory, and is provided with machines for testing the resistance of macadam material to impact and abrasion and for making the cementation test. The laboratory is also supplied with rattlers and other devices for testing paving material.

ELECTRICAL ENGINEERING

This department provides a course of study in theoretical and applied electricity. The first two years of work are substantially the same as in the other engineering courses, including practical work in drafting room and shop, as well as instruction in the fundamental principles of mathematics and physics. With the third year the fundamental studies relate more directly to electrical engineering. A course in dynamo machinery is followed by the theory of alternating currents, while laboratory and design courses emphasize underlying principles. Technical courses cover the generation, transmission, and distribution of electric power, and its various applications. In the laboratory a study of dynamo characteristics is followed in the fourth year by progressive experiments involving the operation of electrical machinery in principle and practice. Investigation of the problems of power distribution is a feature of advanced laboratory and thesis work.

Equipment

The 500 kilowatt power plant of the University supplies current for department use and affords opportunity for tests. A 40 kilowatt and an 80 kilowatt motor-generator recently installed in the laboratory, together with two new experimental switchboards, furnish excellent facilities for operating direct and alternating machines under any conditions.

The various types of generators, motors, converters, and transformers are represented, often in duplicate. Several machines built by students are in use in the laboratory. Modern measuring instruments of suitable range are provided for laboratory tests and for the calibration of commercial instruments of all types.

Three photometers and a room for display lighting offer opportunity for tests and practical comparisons of the various forms of lamps, both gas and electric. Two rooms not adjacent are furnished with special 100-line switchboards, with cables, coils, batteries, and instruments, to illustrate recent practice in telegraphy and telephony, as well as to provide for the rapid comparisons required in telephone experiments.

MECHANICAL ENGINEERING

It is the principal object of the department of mechanical engineering to give its students a training in the theoretical principles underlying the construction and operation of machinery and the generation and transmission of power. The theoretical instruction is supplemented by shop and laboratory work of a practical character.

EQUIPMENT

The *drawing rooms* are equipped with card indexes, reference books, catalogs, gear charts, etc. In the cabinet rooms are kinematic models and sectional steam specialties.

The *Steam Engineering Laboratory* contains steam engines of various types, a York refrigerating machine of 10 tons refrigerating capacity, a DeLaval team turbine direct-connected to a compound centrifugal pump, a Kerr steam turbine, a gas producer, a special test boiler of 210 horse-power, an independent superheater, a compound air compressor, several gas engines, a hot air engine, a large volume fan, and a complete outfit of instruments used by the mechanical engineer for testing purposes. In the central heating station are several types of boilers equipped with different kinds of automatic stokers; there are also various steam and power pumps.

The shops of the College are in charge of the department of mechanical engineering; they consist of wood shop, foundry, forge shop, and machine shop. The shops are large and well lighted, and are all equipped with modern tools.

By special arrangement with the management of the Peoria and Eastern division of the C., C., C. & St. L. railway, the power plant and shops located at Urbana have been opened to the mechanical engineering department for visits of inspection and for experimental investigations. Opportunity is thus furnished for the study of machinery and processes in a shop operated under commercial conditions.

MECHANICS, THEORETICAL AND APPLIED

The courses in theoretical and applied mechanics are designed to meet the needs of students of engineering.

The *Laboratory of Applied Mechanics,* comprising the materials testing laboratory and the hydraulic laboratory, occupies a separate building. The materials laboratory is equipped with testing machines for tension, compression, flexure, and torsion, and for testing various kinds of structural materials. The equipment includes a testing machine having a capacity of 600,000 pounds, arranged to take large and bulky pieces in tension, compression, and flexure. The hydraulics laboratory has a standpipe, pumps, water motors and turbine, measuring pits, Venturi meters, weir conduits, meter rating conduit, orifice boxes, weir boxes, and apparatus for experimental work on flow of water through pipes, hose, and nozzles. The University pumping station furnishes a supply of water at pressures up to 100 pounds a square inch.

MINING ENGINEERING

The department of mining engineering offers courses of instruction relating to the science and practice of mining, to train young men for the various phases of the mining industry.

The work of the department adds to the usual courses in mathematics, languages, chemistry, physics, geology, and general engineering, specialized work in mining, such as mine surveying, mine ventilation, mining machinery, administration and organization of mines, and mining laws. Especial attention is given to those problems which are peculiar to the mining operations of the state of Illinois.

In addition to its work of instruction, the department concerns itself with the development and dissemination of such scientific facts as are likely to be of service in improving the practice of mining, with reference to efficiency in operation, to the security of life in the mines, and the conservation of the fuel and other mineral resources of the state.

EQUIPMENT

The mining engineering laboratory in the Physics building contains an equipment of safety lamps, anemometers, water gauges, psychrometers, and other apparatus needed for illustrative and testing purposes in the study of mine ventilation, mine lighting, and the dust problems in mining.

In the natural history building a laboratory is maintained jointly by the department of mining engineering, the State Geological Survey, and the United States Bureau of Mines for the study of mine dusts and mine gases. It is also available for the purpose of demonstration to university classes.

There is also in the Physics building a laboratory fitted with coal and rock drills and appliances needed in blasting.

A small coal washing and ore testing plant is now in operation in the university power plant, but a separate building is being erected for the installation of a complete coal washing and ore dressing plant.

MINE RESCUE STATION AND LABORATORIES

Co-operating with the department of mining engineering and with the State Geological Survey, the Federal Government has established at the University a Mine Rescue Station. The purpose of the Station is to interest mine operators and inspectors in the economic value of such modern appliances as oxygen helmets and resuscitation apparatus as parts of the normal equipment of mines. At the station mine bosses and others are trained in the use of such apparatus, this service being rendered freely to all in Illinois, Indiana, Michigan, western Kentucky, Iowa, and Missouri who may desire the benefits thereof.

The station offers to the student in mining engineering an opportunity for studying rescue work with oxygen helmets. Students are brought into contact with men in practice from all parts of Illinois and surrounding states who come to the station for training in rescue work. About the present station as a nucleus other laboratories for experimental work in connection with mining are being developed, and are accessible for the use of students in mining engineering.

MUNICIPAL AND SANITARY ENGINEERING

This course is designed to train for the varied duties of the engineer employed on the design, construction, and operation of public works and public utilities, and for general engineering work.

Instruction

The methods of training are intended to develop power to take up and solve new problems connected with municipal public works, as well as to design and to superintend the ordinary constructions. Surveying, structural materials, and structural design are taught as in the civil engineering course. Chemistry and bacteriology are given so far as is necessary to a comprehension of the questions involved in water supply and sewage disposal; and instruction is given in mechanical and electrical engineering in the generation and transmission of power.

PHYSICS

Laboratory and Equipment

The department of physics occupies the Laboratory of Physics. This building is a commodious physical laboratory, with complete facilities and equipment for instruction and investigation in physics. Gas, distilled water, compressed air and vacuum, and direct and alternating electric currents of a wide range in amperes and in volts, are available in all parts of the building. There is a collection of over 4,000 pieces of apparatus for the courses of instruction offered and also for advanced work, and only a small part of the equipment is antiquated. New investigations can usually be started with the apparatus on hand. There are two workshops, one for the advanced students and instructors, and one for the mechanician of the department. The students' shop is equipped with lathes, drill press, bench tools, etc. The mechanician's shop contains lathes, milling machines, drill press, and other facilities for fine machine work.

The University library contains all the important sets of journals of physics and the related sciences in English, French, and German. The recent volumes of the physical journals, together with a collection of text-books, encyclopædias, dictionaries, and other reference books, are also found in the special library of the Laboratory.

RAILWAY ENGINEERING*

The department of railway engineering is organized to serve those who wish to prepare themselves for service in the technical departments of railways. The course in railway civil engineering adds to the fundamentals of a well-rounded engineeering course a group of special subjects which concern the design, construction, and maintenance of the various details entering into the construction of track, track structures, and systems of railway signaling. The course in railway electrical engineering emphasizes the design and construction of those details peculiar to electric railway lines; the operation and performance of electric cars and locomotives; and the development of the more general problems which arise in the electrification of existing steam lines. The course in railway mechanical engineering is intended to meet the requirements of those who are especially interested in steam railroad equipment. It deals with the design, construction, and maintenance of various types of railway cars; with conditions affecting train resistance; with the design and operation of steam locomotives; and with tests disclosing their performance.

Equipment

Three steam roads—the Illinois Central, the Cleveland, Cincinnati, Chicago & St. Louis, and the Wabash railroads—and an electric interurban road—the Illinois Traction System—enter Champaign and Urbana. The department enjoys the interest and co-operation of the officers of these railways, and is afforded by their courtesy numerous opportunities for practical road tests and field work. The division shops of the C., C., C. & St. L. railroad are located at Urbana and provide additional opportunity for similar work.

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* See also School of Railway Engineering and Administration, page 222.

The department owns and operates, jointly with the Illinois Central Railroad, a railway test car designed for experimental work on steam roads. It is fully equipped for making train resistance and locomotive performance tests, and during the last nine years has been in frequent operation in carrying on resistance and tonnage rating tests on the Illinois Central Railroad and on several eastern roads.

For work on electric roads the department owns also an electric test car, of the interurban type, especially designed and built for the University for experimental work. It is equipped with four 50 horse power direct current motors and with the Westinghouse multiple control system, and is provided with instruments for recording power, speed acceleration, and the other data needed in road tests. Through the courtesy of the Illinois Traction System this car is operated on its lines, which enter the University campus.

The department laboratory equipment includes a drop-testing machine and a brake-shoe testing machine, both constructed in accordance with the standards of the Master Car Builders' Association. The drop-testing machine is designed for use in testing the strength of railroad rails, car axles, car couplers, and draft gears, and may be used in studies of the physical properties of structural materials of any sort. The brake-shoe testing machine supplies means for determining the wearing properties and frictional qualities of brake-shoes, such as are employed in regular service on railroad trains.

Much of the work in the railway courses is given in the departments of civil, electrical, and mechanical engineering, and the shop and laboratory equipment of these departments is available for students of the railway department.

SUGGESTED ELECTIVES

The following courses are suggested as electives for students in the College of Engineering whose time is not fully occupied with required work:

Accountancy, Art and Design 1; Astronomy 3 and 6; Chemistry

2, 3, 16, 31, 34, 35; economics; Geology 13; Mathematics 9a, 10, 16, 21a, 22a; Rhetoric, 3, 7, 10, 13; Physics, 15, 16, 17; Political Science 17; Library 12; Architecture 2, 3, 4, 13; Civil Engineering 4a, 5, 21, 22; Electrical Engineering 1, 2, 5, 6, 16, 29; Mechanical Engineering 7, 27, 30, 31; Railway Engineering 11, 61.

SUMMER READING

All engineering students not graduates of a literary college are required to complete prescribed courses of reading of a non-professional character during the summer vacations following the freshman and sophomore years. The purpose of the summer reading is to increase the acquaintance of the student with literature, history, and general science, to develop in him a taste for such reading, and to impress him with the importance of such knowledge not only as a source of individual enjoyment, but as a practical aid to engineers in their social and business relations.

A circular on summer reading is issued, containing a list of books from which the students may choose. The books have been selected for their value in providing general training, but an attempt has been made to include only readable and attractive works. A statement of the books read during the summer is required at the beginning of the next college year.

GENERAL ENGINEERING LECTURES FOR FRESHMEN

One general lecture, sufficiently popular in character to interest and inspire young engineers, will be given each week. All freshman engineers are expected to attend this lecture.

TRIPS OF INSPECTION

Several of the departments of the College of Engineering arrange trips of inspection for their students, to supplement the theoretical instruction of the classroom. Seniors in architecture and architectural engineering have a three days' trip to Chicago and vicinity; senior civil engineers a four days' trip; senior electrical engineers a three days' trip; and senior mechanical engineers a five days' trip to Chicago and Milwaukee. Similar excursions may be arranged by other departments.

The trips are taken during term time under the direction of the head of the department. It is expected that all students eligible will participate, but, since the students must bear the expense involved, the department does not require attendance. Students who participate must make a report or submit to an examination upon the work inspected; those who do not take the trip either continue with the regular class duties or are assigned special work for the period of the trip. Students whose standing is such that they can ill afford to take the time from their academic duties are advised to remain at the University. No trip will be made unless two-thirds of the enrolled membership of the class for which the trip is proposed can participate.

COURSES OF STUDY AND DEGREES

The courses of study leading to the degree of Bachelor of Science in the College of Engineering, as scheduled for the year 1911-1912, are given herewith in full. Each of the ten courses given may ordinarily be completed in a period of four years.

A graduate of the University of Illinois in architectural, civil, electrical, mechanical, mining, municipal and sanitary, or railway engineering may receive the degree of an allied course upon the completion of from thirty to thirty-six semester hours of work (including thesis) approved by the faculty. This work may ordinarily be done in one academic year.

A graduate of the Colleges of Liberal Arts of the University of Illinois, or of any college of equal standing, whose mathematical training includes the work of the calculus, who has had the usual course in physics, and who has had sufficient training in the principles of mechanics to enable him to begin the mechanics of the junior year, may receive the degree of Bachelor of Science in Engineering upon the completion of sixty-eight credit hours of work in engineering (including thesis) under the direction of the faculty. This work may ordinarily be done in two academic years. Candidates for the degree in the department of architecture are not required to be prepared in calculus or mechanics, but should have special preparation in drawing.

Course Required for Degree of B. S. in Architecture

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
Math. 4[2]—Trigonometry	2	Chem. 1a[3] or 1b—Inorg. Chem.	4
Math. 2—Advanced Algebra	3	T. & A. M. 14—Elem. Mech.	4
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
G. E. D. 2—Descriptive Geometry	4	Arch. 32—Arch. Drawing	4
Arch. 31—Arch. Drawing	4	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	18

SECOND YEAR

Phys. 2a—Physics Lectures	2	Phys. 2a—Physics Lectures	2
Phys. 2b—Physics Laboratory	2	Phys. 2b—Physics Laboratory	2
T. & A. M. 15—Strength of Mater.	3	T. & A. M. 16—Strength of Mater.	3
Arch. 13—History of Arch.	2	Arch. 14—History of Arch.	2
Arch. 23—Freehand Drawing	2	Arch. 24—Freehand Drawing	2
Arch. 33—Design	3	Arch. 34—Design	3
Arch. 43—Spec. & Wkg. Drwgs.	3	Arch. 44—Spec. & Wkg. Drwgs.	3
Mil. 2—Military Drill	1	Mil. 2—Military Drill	1
Total	18	Total	18

THIRD YEAR

French 1 or German 1—Elementary Course	4	French 1 or German 1—Elementary Course	4
Arch. 15—History of Arch.	2	Arch. 16—History of Arch.	2
Arch. 25—Freehand Drawing	2	Arch. 26—Freehand Drawing	2
Arch. 35—Design	5	Arch. 36—Design	5
Arch. 45—Graphic Statics	3	Arch. 46—Graphic Statics	3
Arch. 55—Building Sanitation	1	E. E. 9—Building Illumination	1
Arch. 65—Theory of Arch.	1	Arch. 66—Theory of Arch.	1
Total	18	Total	18

FOURTH YEAR

Arch. 27—Freehand Drawing	2	Arch. 28—Freehand Drawing	2
Arch. 38—Thesis	0	Arch. 38—Thesis	7
Arch. 37—Design	7	Arch. 60—Special Lectures	1
Arch. 57—Heating & Ventilation	2	Arch. 68—Business Relations	3
Arch. 67—Theory of Form & Color	2	English literature	3
English literature	3		
Econ. 2—Prin. of Econ.	2		
Total	18	Total	16

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to courses in the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for Degree of B. S. in Architectural Engineering

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
G. E. D. 1[2]—Gen. Eng. Drawing	4	G. E. D. 2[2]—Descriptive Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analytical Geometry	5
Math. 2—Advanced Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice, or Arch. 8—Drawing	3
M. E. 41—Shop Practice, or Arch. 20—Drawing	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
Arch. 43—Spec. & Wkg. Drwgs.	3	T. & A. M. 7—Analytical Mechanics	3
Arch. 4—Building Sanitation	2	Arch. 44—Spec. & Wkg. Drwgs.	3
Mil. 2—Military Drill	1	Arch. 30—Design	3
		Mil. 2—Military Drill	1
Total	19	Total	20

THIRD YEAR

T. & A. M. 6—Engin. Materials	1	T. & A. M. 10—Hydraulics	3
T. & A. M. 8—Analyt. Mech.	2½	Arch. 5—Graphic Statics & Roofs	4
T. & A. M. 9—Res. of Matrls.	3½	Arch. 6—History of Arch.	4
Arch. 6—History of Arch.	4	Arch. 10—Freehand Drawing	1
Chem. 1b or 1a[3]—Inorganic Chemistry	4	Arch. 11—Arch. Seminar	1
Arch. 11—Arch. Seminar	1	M. E. 11—Steam Engines & Boilers	3
Econ. 2—Principles of Econ.	2	C. E. 10—Surveying	2
Total	18	Total	18

FOURTH YEAR

Arch. 57—Heating & Ventilation	3	Arch. 68—Business Relations	3
Arch. 19—Arch. Engineering	3	Arch. 19—Arch. Engineering	3
Arch. 30—Thesis	1	Arch. 30—Thesis	3
Arch. 31—Arch. Reading	1	Arch. 31—Arch. Readings	1
Arch. 34—Arch. Eng. Seminar	1	C. E. 6—Masonry & Reinf. Con. Design	2
C. E. 12—Bridge Analysis	2	C. E. 14a—Bridge Design	2
C. E. 13—Bridge Details	2	E. E. 9—Electric Lighting	1
C. E. 24—Metal Structures	1		
M. E. 32—Mech. Eng. Laboratory	1		
Total	15	Total	15

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to courses in the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for the Degree of B. S. in Civil Engineering

FIRST YEAR

FIRST SEMESTER	S. H.[1]	SECOND SEMESTER	S. H.[1]
G. E. D. 1[2]—Gen. Eng. Drwg.	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

Math. 7—Diff. Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
C. E. 21—Surveying	5	T. & A. M. 7—Analyt. Mech.	3
Mil. 2—Military Drill	1	C. E. 22—Top. Surveying	4
		C. E. 23—Railroad Curves	1
		Mil. 2—Military Drill	1
Total	19	Total	19

THIRD YEAR

T. & A. M. 6—Eng. Matrls.	1	T. & A. M. 10—Hydraulics	3
T. & A. M. 8—Analyt. Mech.	2½	C. E. 1—Road Engineering	2
T. & A. M. 9—Res. of Materials	3½	C. E. 20—Graphic Statics	2
C. E. 4—Railroad Surveying	5	Astron. 3 & 6, or Geol. 13	5
Chem.[3] 1b or 1a—Inorganic Chemistry	4	M. E. 11—Steam Eng. & Rollers	2
		Econ. 2—Prin. of Economics	2
Total	16	Total	17

FOURTH YEAR

C. E. 5*r*—Masonry Construction	4	C. E. 6—Masonry & Reinf. Con. Design	2
C. E. 5*l*—Cement Lab. Practice	1	C. E. 14—Bridge Design	5
C. E. 12—Bridge Analysis	2	C. E. 15—Adv. Bridge Anal.	2
C. E. 13—Bridge Details	3	C. E. 16—Eng. Cont. & Spec.	2
C. E. 18—Tunneling	1	C. E. 25—Seminar	1
C. E. 25—Metal Structures	1	C. E. 30—Thesis	2
C. E. 30—Thesis	1	M. & S. E. 3—Sewerage	3
M. & S. E. 2—Water Supply Eng.	4		
Total	17	Total	17

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to courses in the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a; those who have received credit for Chemistry 1a will register in Electrical Engineering 3 and 22.

Course Required for the Degree of B. S. in Electrical Engineering

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
G. E. D. 1[2]—Gen. Eng. Drwg.	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

First Semester	S. H.	Second Semester	S. H.
Math. 7—Diff. Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
M. E. 24—Mach. Design & Mech.	3	T. & A. M. 7—Analyt. Mech.	3
M. E. 42—Machine Shop	2	Chem.[3] 1b or 1a—Inorg. Chem.	4
Mil. 2—Military Drill	1	Mil. 2—Military Drill	1
Total	19	Total	18

THIRD YEAR

First Semester	S. H.	Second Semester	S. H.
T. & A. M. 6—Eng. Matrls.	1	T. & A. M. 10—Hydraulics	3
T. & A. M. 8—Analyt. Mech.	2½	E. E. 5—Alt. Currents	4
T. & A. M. 9—Res. of Materials	3½	E. E. 23—Elec. Eng. Lab.	2
E. E. 3—Dynamo-Elec. Mach.	3	Phys. 4—Elec. & Magn. Meas.	2
Phys. 4—Elec. & Magn. Meas.	2	M. E. 13—Mech. Eng. Lab.	3
Chem. 2 & 3—Inorg. Chem. & Anal.	4	Math. 9a—Integral Calculus	2
Total	18	Total	16

FOURTH YEAR

First Semester	S. H.	Second Semester	S. H.
E. E. 13—Seminar	1	E. E. 13—Seminar	1
E. E. 14—Adv. Alt. Currents	4	E. E. 17—Adv. Alt. Currents	4
E. E. 24—Elec. Eng. Lab.	2	E. E. 27—Elec. Eng. Lab.	2
E. E. 32—Electrical Design	2	E. E. 34—Elec. Des. & Power Pl.	3
M. E. 15—Thermodynamics	3	E. E. 35—Thesis	3
Econ. 2—Prin. of Econ.	2	Econ. 16—Econ. Prob.	2
M. E. 23—Steam Eng.	2	C. E. 10—Surveying	2
Total	16	Total	17

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to courses in the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for the Degree of B. S. in Mechanical Engineering

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
G. E. D. 1[2]—Gen. Eng. Drawing	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

First Semester	S. H.	Second Semester	S. H.
Math. 7—Diff. Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
M. E. 42—Machine Shop	3	T. & A. M. 7—Analyt. Mech	3
M. E. 4—Machine Design	2	M. E. 42—Machine Shop	2
Mil. 2—Military Drill	1	M. E. 16—Steam Eng	3
		Mil. 2—Military Drill	1
Total	19	Total	19

THIRD YEAR

First Semester	S. H.	Second Semester	S. H.
T. & A. M. 6—Eng. Materials	1	M. E. 7—Thermodynamics	3
T. & A. M. 8—Analyt. Mech.	2½	M. E. 9—Mach. Design	3
T. & A. M. 9—Res. of Materials	3½	M. E. 29—Seminar	1
M. E. 3—Power Meas	2	T. & A. M. 11—Analyt. Mechanics	3
M. E. 5—Mechanism	3	E. E. 16—Dynamo Mach	4
Math. 9a—Integral Calculus	2	Chem. 16—Eng. Chemistry	3
Chem.[3] 1a or 1b—Inorg. Chem	4		
Total	18	Total	17

FOURTH YEAR

First Semester	S. H.	Second Semester	S. H.
M. E. 6—Heat Engines	2	M. E. 6—Heat Engines	2
M. E. 8—Mech. of Machinery	3	M. E. 14—Des. of Pow. Plants	2
M. E. 9—Mach. Design	3	M. E. 33—Thesis	3
M. E. 12—Mech. Lab	3	Arch. 13—Heat & Ventilation	3
M. E. 19—Seminar	1	R. E. 11—R. Eng. or C. E. 10 Sur.	2
E. E. 6—Alt. Currents	2	Econ. 16—Econ. Problems	2
Econ. 2—Prin. of Economics	2	Elective	2
Total	16	Total	16

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to courses in the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for the Degree of B. S. in Mining Engineering

FIRST YEAR

First Semester	S. H.[1]	Second Semester	S. H.[1]
G. E. D. 1[2]—Gen. Eng. Drawing	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

Math. 8a—Diff. & Int. Calculus	5	Phys. 1—Physics Lectures	2
Phys. 1—Physics Lectures	3	Phys. 3—Physics Laboratory	2
Phys. 3—Physics Laboratory	2	Rhet. 1—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	T. & A. M. 7—Analyt. Mech	3
Min. 1—Mining Prin	1	Min. 2—Earth & Rock Excavation	3
Chem.[3] 1b or 1a—Inorg. Chem	4	Chem. 2 & 3—Inorg. Chem. & Anal.	5
Mil. 2—Military Drill	1	Mil. 2—Military Drill	1
Total	19	Total	19

THIRD YEAR

T. & A. M. 8—Analyt. Mech	2½	Min. 4—Mine Surveying	4
T. & A. M. 9—Res. of Materials	3½	Min. 5—Mine. Vent	3
Min. 3—Mining Methods	2	C. E. 20—Graphic Statics	2
C. E. 21—Surveying	5	M. E. 35—Steam Eng	3
Chem. 5a	5	Geology 13—Engin. Geology	5
Total	18	Total	17

FOURTH YEAR

Min. 6—Mech. Eng. of Mines	3	Min. 7—Mine Admin. Organization and Law	2
Min. 9—Prep. of Coal & Ores	2	Min. 8—Mine Pl	2
C. E. 12—Bridge Anal	2	Min. 10—Min. Lab	3
C. E. 13b—Structural Details	2	Min. 11—Thesis	3
Chem. 7—Metallurgy	3	C. E. 16—Eng. Con. & Spec	2
Geol. 21—Geol. of Coal, or	2	E. E. 16—Dynamo Elec. Mach	4
Chem. 69—Assaying (2 hrs.)	0	Total	16
Chem. 65—Tech. Gas & Fuel Anal.	2		
Total	16		

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to courses in the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for the Degree of B. S. in Municipal and Sanitary Engineering

FIRST YEAR

First Semester

	S. H.[1]
G. E. D. 1[2]—Gen. Eng. Drawing.	4
Math. 4—Trigonometry	2
Math. 2—Adv. Algebra	3
French 1, or German 1 or 4, or English 1, or Spanish 1	4
M. E. 41—Shop Practice	3
Mil. 2—Military Drill	1
Phys. Tr. 1—Gymnasium	1
Total	18

Second Semester

	S. H.[1]
G. E. D. 2—Descr. Geometry	4
French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
M. E. 41—Shop Practice	3
Mil. 2—Military Drill	1
Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1
Total	19

SECOND YEAR

Math. 7—Diff. Calculus	5
Phys. 1—Physics Lectures	3
Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3
C. E. 21—Surveying	5
Mil. 2—Military Drill	1
Total	19

Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3
T. & A. M. 7—Analyt. Mech.	3
C. E. 22—Top. Surveying	4
C. E. 23—Railroad Curves	1
Mil. 2—Military Drill	1
Total	19

THIRD YEAR

T. & A. M. 6—Eng. Materials	1
T. & A. M. 8—Analyt. Mech.	2½
T. & A. M. 9—Res. of Materials	3½
M. & S. E. 5a—Bacteriology	2
C. E. 4a—R. R. Surveying	3
Chem.[3] 1b or 1a—Inorganic Chemistry	4
Total	16

T. & A. M. 10—Hydraulics	3
C. E. 1—Road Engineering	2
C. E. 20—Graphic Statics	2
M. E. 11—Steam Eng. & Boilers	3
Chemistry 2, 3 or 10b—Qual. & Water Analysis	5
E. E. 1—Elec. Eng.	2
Total	17

FOURTH YEAR

M. & S. E. 2—Water Supply Eng.	4
M. & S. E. 6a—Water Pur., Sewage Disp. & Gen. Sanitation	3
C. E. 5—Masonry Constr.	5
C. E. 12—Bridge Analysis	2
C. E. 13a—Bridge Details	2
E. E. 28—Elec. Eng.	1
Total	17

M. & S. E. 3—Sewerage	3
M. & S. E. 6b—Water Pur., Sewage Disp. & Gen. Sanitation	2
M. & S. E. 9—Hydraul. Des. & Con.	2
M. & S. E. 30—Thesis	2
C. E. 6—Mas. & Reinf. Con. Design.	2
C. E. 16—Eng. Con. & Spec.	2
M. E. 13—Mech. Eng. Lab.	2
Econ. 2—Prin. of Economics	2
Total	17

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[1] Semester hours. For definition see page 132.

[2] The numbers refer to the Description of Courses, page 284.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for the Degree of B. S. in Railway Civil Engineering[1]

FIRST YEAR

First Semester	S. H.[2]	Second Semester	S. H.[2]
G. E. D. 1[3]—Gen. Eng. Drawing	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 3 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

Math. 7—Diff. Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
C. E. 21—Surveying	5	T. & A. M. 7—Analyt. Mech	3
Mil. 2—Military Drill	1	C. E. 22—Top. Surveying	4
		C. E. 23—R. R. Curves	1
		Mil. 2—Military Drill	1
Total	19	Total	19

THIRD YEAR

T. & A. M. 6—Eng. Materials.	1	T. & A. M. 10—Hydraulics	3
T. & A. M. 8—Analyt. Mech.	2½	R. E. 31—Ry. Yards & Terminals	3
T. & A. M. 9—Res. of Materials	3½	C. E. 20—Graphic Statics	2
C. E. 4—R. R. Surveying	5	M. E. 11—Steam Eng. & Boilers	3
Chemistry [4]1b or 1a—Inorganic Chemistry	4	Astron. 3 & 6, or Geol. 13	5
		Econ. 2—Prin. of Economics	2
Total	16	Total	18

FOURTH YEAR

R. E. 33—Econ. Theory of Ry. Loc.	4	R. E. 30—Thesis	3
R. E. 35—Signal Eng.	1	R. E. 32—Ry. Structures	2
Econ. 41—Ry. Hist. & Organization	3	R. E. 50—Seminar	1
C. E. 5—Masonry Con.	5	Econ. 42—Ry. Admin.	3
C. E. 12—Bridge Analysis	2	C. E. 6—Mas. & Reinf. Con. Des.	2
C. E. 18—Tunneling	1	C. E. 14a—Bridge Design	3
C. E. 24—Metal Structures	1	C. E. 16—Eng. Con. & Spec.	2
Total	17	Total	16

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[1] Differs from the course in civil engineering only after the first semester of the third year.

[2] Semester hours. For definition see page 132.

[3] The numbers refer to the Description of Courses, page 284.

[4] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

Course Required for the Degree of B. S. in Railway Electrical Engineering[1]

FIRST YEAR

First Semester	S. H.[2]	Second Semester	S. H.[2]
G. E. D. 1[3]—Gen. Eng. Drawing	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

First Semester	S. H.	Second Semester	S. H.
Math. 7—Diff. Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
M. E. 42—Shop Practice	2	T. & A. M. 7—Analyt. Mech	3
M. E. 24—Mach. Design & Mech	3	Chem. 1—Inorganic Chemistry	4
Mil. 2—Military Drill	1	Mil. 2—Military Drill	1
Total	19	Total	18

THIRD YEAR

First Semester	S. H.	Second Semester	S. H.
T. & A. M. 6—Eng. Materials	1	T. & A. M. 10—Hydraulics	3
T. & A. M. 8—Analyt. Mech	2½	E. E. 5—Alt. Currents	4
T. & A. M. 9—Res. of Materials	3½	E. E. 23—Elec. Eng. Lab	2
E. E. 3—Dynamo-Elec. Mach	3	Phys. 4—Elec. & Mag. Meas	2
E. E. 22—Elec. Eng. Lab	2	C. E. 10—Surveying	2
Phys. 4—Elec. & Mag. Meas	2	M. E. 13—Mech. Eng. Lab	3
Chem. 2 & 3—Inorg. Chem. & Anal.	4	Math. 9a—Integral Calculus	2
Total	18	Total	18

FOURTH YEAR

First Semester	S. H.	Second Semester	S. H.
R. E. 10—Seminar	1	R. E. 10—Seminar	1
R. E. 64—Elec. Ry. Practice	3	R. E. 63—Ry. Lab. & Road Tests	3
E. E. 14—Adv. Alt. Currents	4	R. E. 65—Elec. Ry. Practice	3
E. E. 24—Elec. Eng. Lab	2	E. E. 34—Elec. Design & Power Plants	3
M. E. 15—Thermodynamics	5	Econ. 16—Econ. Problems	2
Econ. 2—Prin. of Economics	2	R. E. 30—Thesis	3
M. E. 23—Steam Eng	2		
Total	17	Total	15

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[1] Differs from the course in electrical engineering in the fourth year only.

[2] Semester hours. For definition see page 132.

[3] The numbers refer to the Description of Courses, page 284.

Course Required for the Degree of B. S. in Railway Mechanical Engineering[1]

FIRST YEAR

First Semester	S. H.[2]	Second Semester	S. H.[2]
G. E. D. 1[3]—Gen. Eng. Drawing	4	G. E. D. 2—Descr. Geometry	4
Math. 4—Trigonometry	2	Math. 6—Analyt. Geometry	5
Math. 2—Adv. Algebra	3	French 1, or German 3 or 5 or 6, or English 2, or Rhetoric 11, or Spanish 1	4
French 1, or German 1 or 4, or English 1, or Spanish 1	4	M. E. 41—Shop Practice	3
M. E. 41—Shop Practice	3	Mil. 2—Military Drill	1
Mil. 2—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1—Gymnasium	1	Phys. Tr. 1—Gymnasium	1
Total	18	Total	19

SECOND YEAR

First Semester	S. H.	Second Semester	S. H.
Math. 7—Diff. Calculus	5	Math. 9—Integral Calculus	3
Phys. 1—Physics Lectures	3	Phys. 1—Physics Lectures	2
Phys. 3—Physics Laboratory	2	Phys. 3—Physics Laboratory	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
M. E. 4—Mach. Design	2	T. & A. M. 7—Analyt. Mech	3
M. E. 42—Mach. Shop	3	M. E. 16—Steam Eng	3
Mil. 2—Military Drill	1	M. E. 42—Mach. Shop	2
		Mil. 2—Military Drill	1
Total	19	Total	19

THIRD YEAR

First Semester	S. H.	Second Semester	S. H.
T. & A. M. 6—Eng. Materials	1	M. E. 9—Mach. Design	3
T. & A. M. 8—Analyt. Mech	2½	M. E. 15—Thermodynamics	3
T. & A. M. 9—Res. of Materials	3½	M. E. 29—Seminar	1
M. E. 3—Power Meas	2	T. & A. M. 11—Analyt. Mechanics	3
M. E. 5—Mechanism	3	E. E. 16—Dynamo Mach	4
Math. 9a—Int. Calculus	2	Chem. 16—Eng. Chem	3
Chem.[4] 1b or 1a—Inorg. Chem	4		
Total	18	Total	17

FOURTH YEAR

First Semester	S. H.	Second Semester	S. H.
R. E. 1—Locomotives	2	R. E. 3—Shops & Aux. Equip	2
R. E. 2—Locomotive Design	3	R. E. 7—Adv. Design	3
R. E. 4—Locomotive Performance	2	R. E. 10—Seminar	1
R. E. 8—Dynamometer Car Tests	2	R. E. 30—Thesis	3
R. E. 10—Seminar	1	R. E. 61—Traction	2
M. E. 8—Mech. of Mach	3	C. E. 10—Surveying	2
E. E. 6—Alt. Currents	2	Econ. 16—Econ. Prob	2
Econ. 2—Prin. of Economics	2		
Total	17	Total	15

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[1] Differs from the course in mechanical engineering only after the first semester of third year.

[2] Semester hours. For definition see page 132.

[3] The numbers refer to courses in the Description of Courses, page 284.

[4] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

THE COLLEGE OF AGRICULTURE

For the *buildings* used by this College, see page 68; for a list of its *courses,* page 82; for *clubs auxiliary to its courses of study,* page 117; for *fees* and *expenses,* see page 123.

PURPOSES

This College offers courses of instruction to both men and women. The courses offered to men are designed for three distinct purposes:

First, and mainly, to train for the profession of farming.

Second, to train for the teaching of agriculture in the public schools.

Third, to train for the profession of landscape gardening.

The courses for women, offered by the department of household science, have two purposes in view:

First, and mainly, to train young women in the science and art of household affairs.

Second, to prepare teachers for giving instruction in domestic science in high schools, and, in connection with the College of Science, to fit for college and university positions.

In the case of both men and women the great purpose is to prepare for the practical affairs of life. Technical knowledge and skill should be developed along with, and not at the expense of, those things which tend to the production of cultured and versatile men and women. Accordingly the technical work is closely associated with the related sciences, and students are required to divide their time fairly with those subjects that develop general knowledge and breadth of view.

The College offers over ninety courses of instruction in technical subjects, besides opportunity to elect from the scientific and literary offerings of the other colleges of the University.

The elective system prevails, and with a few exceptions the student is left free to select those subjects which seem best fitted to meet his needs, always under the advice and guidance of the faculty.

Credit is given for all work accomplished, and this credit counts toward graduation if the student desires a degree.

ADMISSION

For the regulations in regard to admission to the College of Agriculture, see the general statement of the entrance requirements of the University, pages 85-106.

SCHOLARSHIPS IN AGRICULTURE AND HOUSEHOLD SCIENCE

The University offers every year to each county in the State, except Cook and Lake, and to each of the first ten congressional districts, one scholarship for prospective students of agriculture in the College of Agriculture and one for prospective students of household science, in the College of Literature and Arts, the College of Science, or the College of Agriculture.

Appointments to scholarships in agriculture are made by the Trustees of the University upon the recommendation of the executive committee of the Illinois Farmers' Institute; and to scholarships in Household Science upon the recommendation of the County Domestic Science Associations. Young men under sixteen years of age, young women under eighteen years of age, and those who have already attended the University are not eligible. Acceptable candidates, residents of counties or districts for which appointments have been made, may be assigned to counties or districts not yet represented.

The scholarships are good for two years and relieve the holders from the payment of the matriculation fee, $10.00, and the incidental fee, $24.00 a year. The term of scholarship may be extended four years, if, before it expires, the holder satisfies in full the requirements for admission to the freshman class of the college in which he is enrolled.

FACILITIES FOR INSTRUCTION AND METHODS OF WORK

The technical courses are specialized, and each is taught by an instructor who makes that particular branch of knowledge his specialty. The close affiliation of the College with the work of the Agricultural Experiment Station not only enables the University to support a larger faculty than would otherwise be possible, but also permits a much higher degree of specialization. For the most part those who teach in the College are the ones who conduct experiments in the same subjects in the Station.

The methods of instruction vary with the nature of the courses. In general the laboratory method prevails. Text-books are used whenever good ones are available. Both the laboratory and the text are supplemented by lectures and reference readings. Buildings and laboratory space, illustrative specimens and material, and library facilities are provided, and no pains or expense is spared to make the courses as profitable to the student as the present state of knowledge will permit.

In connection with the following description of the work of the different departments, the special facilities are stated more in detail.

AGRICULTURAL EXTENSION — TEACHERS' COURSES

The people of the rural communities have long been demanding that recognition be given to agriculture as a subject in the secondary schools. The high schools now recognize the justice of this demand, and are ready to introduce this study into the curriculum as fully as local needs will justify and as soon as competent teachers can be found.

To aid in meeting the new conditions, and to assist in determining what aspects of agriculture are suitable for secondary school purposes and how they should be taught, the College of Agriculture is now offering courses for teachers.

See Agricultural Extension in Part III for outlines of these courses; also see the General Course for Prospective Teachers of Agriculture, outlined on page 203.

AGRONOMY

The department of agronomy gives instruction in those subjects which relate especially to the field and its affiairs, such as drainage, farm machinery, field crops, the physics and bacteriology of the soil, manures, rotation and fertility, plant breeding, the history of agriculture, farm management, and comparative agriculture. To the equipment and facilities for instruction in these subjects which the department itself possesses are added opportunities for contact with the research work of the Agricultural Experiment Station, especially in crop production, soil fertility, and plant breeding, both in the analytical and pot culture laboratories and on the experiment fields at the University and in other parts of the State.

Attention is called here to the fact that in case circumstances prohibit a regular four-year course, it is possible for a student who has had a sufficient preparatory training so to arrange his studies as to obtain the necessary prerequisites and complete the general courses in soil physics and soil fertility in two years' time. (See Agronomy 9 and 12.)

ANIMAL HUSBANDRY

In this department are given courses covering the separate study of sheep, swine, and beef cattle, and their products; heavy and light horses with their care and training; the management of herds, flocks, and studs; the principles and practice of feeding and of breeding; and the chemical, physiological, and bacteriological phases of animal nutrition.

For the study of animals about 400 pure-bred cattle, sheep, swine, and horses are constantly available in the herds, flock, and stud of the University, which are also used for investigations in feeding and breeding, as well as for the illustration of the type or types of each breed. These consist of Standard-bred, Morgan, Percheron, and English Shire horses; Shorthorn, Hereford, and Aberdeen-Angus cattle; Shropshire, Oxford, Southdown, Hampshire, Rambouillet, Dorset, and Cheviot sheep; Poland China, Berkshire, Duroc, Jersey, Chester White, Tamworth, and Yorkshire swine. In addition, large numbers of animals are secured from time to time to illustrate the market classes and grades of live stock, and special attention is given to instruction in the selection of animals with reference to feed lot and market requirements. For the class work in stock judging a room with tan-bark floor is provided in the Agricultural Building, where specimen animals may be brought before the classes.

About 1,000 lantern slides and a collection of photographs, charts, diagrams, and models afford further material for the study of stock judging. The study of pedigrees and of the development of the various breeds is facilitated by 75 sets of different herd, stud, and flock registers, and complete files of the leading American and British live stock journals.

The equipment for instruction and investigation in the feeding, breeding, and management of live stock consists of modern buildings for the housing of beef cattle, swine, sheep, and horses, together with the appliances necessary for individual and collective feeding tests; brick-paved feed lots and open sheds, in which ten carloads of steers may be fed in comparison; a feed storage barn 44 by 72 feet, with various forms of grinding mills and other machinery for the preparation of feed; and various kinds of harness, vehicles, and other appliances for the training of horses. The department also maintains a cold storage room and other equipment for conducting demonstrations in the cutting and handling of meats; and a large collection of wool samples and a fiber testing machine and microscopes for the study of wool. The chemical, physiological, and bacteriological laboratories of the department afford opportunities for advanced work in animal nutrition.

DAIRY HUSBANDRY

In the department of dairy husbandry, thirteen instructors give twelve courses in the general divisions of economic milk production, city milk supply, and dairy manufactures.

For the instruction in economic milk production, free use is made of the grade herd of cows, which is kept primarily for experimental purposes, and also of the pure-bred herd of Holstein-Friesians, which numbers about 50 animals. The methods and principles of breeding pure-bred dairy cattle are illustrated in this herd, which contains many excellent and noted individuals. Types of the other dairy breeds—Jerseys, Guernseys, and Ayrshires—are illustrated by a few specimen animals of these breeds. These dairy herds afford facilities for instruction in judging dairy cattle, from both the dairy and the breed standards. The actual business of economic milk production is illustrated by a twenty-acre dairy farm, conducted by the department for the purpose of producing the most milk possible per acre, at the least expense. The feeding and breeding experiments, while conducted primarily for the use of the Experiment Station, are of value to the student.

The instruction in city milk supply is illustrated in a dairy building used exclusively for the purpose of cooling and bottling the milk from the pure-bred herd for direct consumption. This milk is delivered each day in the cities of Urbana and Champaign. A laboratory is also maintained, where the latest machinery for preparing milk for the trade and bottling the same is used. To aid in the study of milk, a testing laboratory is provided with up-to-date apparatus for making the different tests on milk.

Facilities for instruction in the manufacture of butter and cheese are provided in the University creamery, where 300 pounds of butter fat are received each day in the form of milk and hand separator cream. This creamery is equipped with improved types of cream separators, pasteurizers, cream ripening vats, and churns.

Experiments are carried on here in different methods of ripening cream and making butter. A chemical analysis is made of each churning in the department laboratory, and sample tubs are shipped to New York and Chicago, where they are scored by expert judges, and the effect of storage upon the quality of the goods determined.

HORTICULTURE

The department of horticulture offers instruction in thirty-nine courses, covering work in the five divisions of horticulture (pomology, olericulture, floriculture, landscape gardening, and forestry); and also in certain subjects dealing with general principles and practices more or less applicable to all the divisions, such as plant propagation, spraying, the evolution of horticultural plants, and experimental horticulture.

For the instruction in pomology, use is made of the various fruit plantations maintained by the department, including four apple orchards of different ages, a plum orchard representing the leading varieties of European and Japanese as well as native plums, plantations of pears, peaches, and cherries, a vineyard of some fifty varieties of grapes trained on the Kniffin system, and lesser areas devoted to the various small fruits. This assortment of fruit trees and plants, together with an equipment in pruning tools, affords facilities for practice in pruning. The products of the orchards are drawn upon for practice in the grading and packing of fruits and the study of systematic pomology. A collection of fruit packages is maintained, together with a series of models showing the construction of fruit storage houses. There is also a collection of wax models of fruits representing the principal varieties grown in Illinois.

For the use of students in olericulture, or vegetable gardening, certain areas of ground are reserved, on which the various garden operations are illustrated, and various crops are grown. In addition to the land, the equipment for instruction in vegetable gardening consists of hotbed frames and sash, seed drills and wheel hoes of various types, an assortment of hand tools, markers, planters, and other special tools, tying material, packing boxes, and accessories and appliances for the growing and handling of vegetables.

The facilities for instruction in floriculture have been increased by the erection of a modern greenhouse plant consisting of a service building and four glass houses, each 105 x 28 feet. While intended primarily for experimental purposes, this plant serves as an illustration of modern greenhouse construction and furnishes material for the work in commercial floriculture. Besides these houses the glass structures used by the department includes two houses each 68 x 20 feet. An assortment of pots and other greenhouse supplies, together with a collection of plants, including geraniums, begonias, carnations, chrysanthemums, and bulbs in assortment, furnish facilities for work in amateur floriculture and certain branches of plant propagation.

The collection of ornamental shrubs and trees growing upon the campus furnishes material for plant studies in connection with the work in landscape gardening, while the plantings about the horticultural building and certain residences in the University community illustrate types of landscape design. A series of 500 lantern slides is used in the lectures in landscape gardening.

Instruction in forestry is facilitated by an extensive collection of native woods and a forest tree plantation of some thirty acres, consisting of Scotch pine, white pine, Norway spruce, European larch, green ash, black walnut, hickory, bur oak, white elm, and other species.

In addition to the material already mentioned as available for use in the course of plant propagation, the small fruit and grape plantations are drawn upon for material in making the various types of hardwood cuttings and in illustrating propagation by layers, suckers, etc. Scions are cut from the orchards, and seedling stocks are purchased in quantity each year for the work in grafting. An herbarium of cultivated plants furnishes material for the study of the relationships and classification of economic and ornamental plants.

HOUSEHOLD SCIENCE

The courses of instruction given in this department are planned to meet the needs of two classes of students, viz.: (a) those students who specialize in other lines of work, but desire a knowledge of the general principles and facts of household science; (b) those students who wish to make a specialty of household science.

Although the main work is scientific and technical, the importance of an artistic and literary training for home life is not lost sight of, and ample opportunity is given for a study of subjects of that character. Indeed, a considerable amount of art and design, English, history, and foreign language is required of students in the course. Opportunity is given, moreover, for increasing the amount of work in liberal, scientific, or technical subjects by leaving the way open for a certain number of electives.

Of the one hundred and thirty hours required for graduation, ninety are provided for in the prescribed list and the restricted electives of List (see page 200). The remaining forty-two hours of credit necessary for graduation may be taken, subject to the approval of the Dean of the College, from any courses offered in the University. Holders of scholarships in household science in this College take the course as laid out here. Variations from it can be made only by special permission of the Council of Administration on recommendation of the faculty of the College.

The department of household science is housed in the north wing of the Woman's Building. Two kitchens, a laboratory, a pantry, and a dining room give opportunity for practice in various kinds of work with food. Two rooms are devoted to the study of clothing from artistic and economic standpoints. These are supplied with charts showing the history of costume and with illustrative material in the form of textile fabrics. The lecture and recitation rooms are provided with various household appliances, house plans, and materials for house furnishings.

This course is designed to provide an education in those branches that especially serve the interests of woman students.

REQUIREMENTS FOR GRADUATION

Students who have satisfied all matriculation requirements and have maintained throughout their course a satisfactory record of scholarship and moral character will be graduated with the degree of Bachelor of Science, upon having completed the studies of the prescribed list and sufficient electives to make a total of (at least) 130 semester hours.

A thesis is not required for graduation, but any student who has completed not less than 90 hours of credit before the senior year may then elect a thesis course in any department (subject to the approval of the head thereof) in which he has done at least 20 hours' work.

For this purpose animal husbandry will admit credits in thremmatology to the extent of five hours. Thremmatology will admit all work in animals and plants relating to type or function, whether done in agricultural departments or in those of botany or zoology, but does not include credits in crop or animal production.

GENERAL COURSE IN AGRICULTURE

PRESCRIBED SUBJECTS

Required for the Degree of Bachelor of Science in General Course in Agriculture

Agronomy 6 or 7, 9, 12; 12½ hours
Animal husbandry 7; 2½ hours
Botany 12; 1 hour[1]
Chemistry 1, 2, 3, 13a; 15 hours
Dairy husbandry 1; 3 hours
Economics 2; 2 hours[2]
English literature 1; 4 hours
Entomology 4; 2½ hours
Horticulture 1, 10a; 8 hours
Military 1, 2; 5 hours
Physical training 1, 1a; 2 hours
Rhetoric 1; 6 hours
Thremmatology 1; 5 hours
Elective List A; a minimum of 4½ hours
Elective List B; a minimum of 3 hours
Elective List C; a minimum of 25 hours
Elective List D; a minimum of 10 hours

LANGUAGE REQUIREMENT

In addition to the above, students who have not offered for matriculation three units of foreign language (commonly three years of high school work) of which two units are in the same language, will be required to offer one of the following at their option:

1. Two years of entrance and eight hours of university credit in foreign language. Except by special permission these credits should not be divided among more than two languages.

2. Sixteen university credits in the same foreign language; or

3. Eight hours of university credit in English literature in addition to the standard requirement, together with eight hours of economics, or eight hours of history or eight hours of education.

The Language Requirement is the same for the General Courses in Agriculture, Floriculture, Household Science, and the Course for Teachers.

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[1] Botany 12 is not required of students who elect Botany 5 and no credit will be allowed to such students in this course.

[2] To be elected in the junior or senior year.

ELECTIVE LISTS

List A—Animal Husbandry 1 to 4, 11 to 14, 17 to 18, 22
  Dairy Husbandry 2
List B.—English literature 2, 16, 23
  Rhetoric 16, 20, 19, 3
List C.—This list includes all subjects offered in technical agriculture and not included in the prescribed list, viz.:
  Agricultural extension 1, 3
  Agronomy 1 to 8, 10, 13, 16 to 22
  Animal husbandry 1 to 4, 8 to 14, 16, 18, 21 to 23b
  Dairy husbandry 2, 7, 8, 11 to 22
  Horticulture 2 to 9, 10b to 15b, 17 to 34
  Veterinary science 2, 4, 5, 6
List D.—Botany 1
  Botany 5
  Zoology 1

Outline for Students Not Specializing in Any Subject

The following outline shows the most favorable time and order in which the prescribed work of the course can be taken by those who do not care to specialize in any particular subject, but who wish to take a general course in agriculture. Though it is not insisted that this outline be followed, students are strongly advised to follow it in order to avoid conflict.

		Total	First Half			Second Half		
Subject	No.	Crds.	Sec.	Credit Hours	Hour	Sec.	Credit Hours	Hour
First Year								
I. Chemistry	1	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	Arr.	1½	......	Arr.	1½	......
Agronomy	5	2½	A	2½	8, 9	......	......	......
Animal Hus	8 & 21	2½	......	......	......	......	2½	9
Botany	12	1	......	......	......	......	1	3, Tu, Th
Military	2	1	Arr.	½	......	Arr.	½	......
Physical Tr.	1 & 1a	1	Arr.	½	......	Arr.	½	......
*II. Chemistry	2 & 3	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	Arr.	1½	......	Arr.	1½	......
Botany	1	5	......	2½	1, 2	......	2½	1, 2
Agronomy	6	2½	......	2½	8, 9	......	......	......
Military	1 & 2	2	Arr.	1	......	Arr.	1	......
Physical Tr.	1	1	Arr.	½	......	Arr.	½	......
Second Year								
I. Chemistry	13a	5	B	2½	10, 11	B	2½	10, 11
Entomology	4	2½	......	2½	8, 9	......	......	......
English	1	4	Arr.	2	......	Arr.	2	......
Horticulture	1	5	B	2½	1, 2	B	2½	1, 2
Military	2	1	Arr.	½	......	Arr.	½	......
II. Zoology	1	5	......	2½	1, 2	......	2½	1, 2
Rhetoric or English from List B	......	......	Arr.	......	......	Arr.	......	......
Horticulture	2 & 3	5	......	2½	8	......	2½	8
Animal Hus.	10	2½	......	2½	3	......	......	......
Military	2	1	......	½	......	......	½	......
Third Year								
1. Agronomy	9	5	A	2½	8, 9	......	2½	8, 9
Economics	2	2	C	1	3, M, W	C	1	3, M, W
Horticulture	10a	3	Arr.	1½	......	Arr.	1½	......
Animal Hus.	11	2½	......	......	......	A	2½	1
Dairy Husbandry	1	3	......	3	1, 2	......	......	......
II. Agronomy	12	5	......	2½	8, 9	......	2½	8, 9
Animal Hus.	2a & 2b	5	A	2½	10, 11	A	2½	10
Animal Hus.	4	2½	B	2½	1, 2	......	......	......
Agr. Extension	3	1	......	......	......	......	1	3, M, W
ELECTIVES								
Fourth Year								
I. Animal Hus.	7	2½	......	2½	10	......	......	......
Animal Hus.	1a & 1b	5	......	2½	11	......	2½	11
Animal Hus	22	3	......	1½	3	......	1½	3
ELECTIVES								
II. Thremmatology	1	5	......	2½	11	......	2½	11
Agronomy	7	5	......	2½	1, 2	......	2½	1, 2
ELECTIVES								

*Students following this course will be allowed to register for 18½ hours this semester as outlined.

Outline for Students Specializing in Animal Husbandry

			FIRST HALF			SECOND HALF		
Subject	No.	Total Crds.	Sec.	Credit Hours	Hour	Sec.	Credit Hours	Hour
First Year								
I. Chemistry	1	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	Arr.	1½	......	Arr.	1½	......
Botany	12	1	......	......	......	......	1	3, Tu, Th
Animal Hus.	8 & 21	2½	......	2½	1	......	......	......
Animal Hus.	11	2½	......	......	......	......	2½	1
Military	2	1	Arr.	½	......	Arr.	½	......
Physical Tr.	1 & 1a	1	Arr.	½	......	Arr.	½	......
*II. Chemistry	2 & 3	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	Arr.	1½	......	Arr.	1½	......
Botany	1	5	......	2½	1, 2	......	2½	1, 2
Agronomy	6	2½	......	2½	8, 9	......	......	......
Military	1 & 2	2	Arr.	1	......	Arr.	1	......
Physical Tr.	1	1	Arr.	½	......	Arr.	½	......
Second Year								
I. Chemistry	13a	5	B	2½	10, 11	A	2½	8, 9
Entomology	4	2½	......	2½	8, 9	......	......	......
Dairy Hus.	1	3	......	......	......	......	3	10, 11
Horticulture	1	5	B	2½	1, 2	B	2½	1, 2
Military	2	1	Arr.	½	......	Arr.	½	......
II. Zoology	1	5	......	2½	1, 2	......	2½	1, 2
Animal Hus.	2a & 2b	5	......	2½	10, 11	......	2½	10
Animal Hus.	10	2½	......	2½	3	......	......	......
Animal Hus.	16	1½	......	......	......	......	1½	11,M,W,F
Horticulture	3	3	......	1½	8,M,W,F	......	1½	8,M,W,F
Military	2	1	Arr.	½	......	Arr.	½	......
Third Year								
I. Agronomy	9	5	A	2½	8, 9	A	2½	8, 9
Economics	2	2	C	1	3, M, W	C	1	3, M, W
Horticulture	10a	3	Arr.	1½	......	Arr.	1½	......
English	1	4	Arr.	2	......	Arr.	2	......
Animal Hus.	18	2½	......	2½	11	......	......	......
II. Agronomy	12	5	......	2½	8, 9	......	2½	8, 9
Rhetoric	20	3	......	1½	10,M,W,F	......	1½	10,M,W,F
Animal Hus.	4	2½	......	2½	1, 2	......	......	......
Animal Hus.	17	2	......	......	......	......	2	1, 2
Veterinary Science	5	5	B	2½	11	B	2½	11
Fourth Year								
I. Animal Hus.	7	2½	......	2½	10	......	......	......
Animal Hus.	1a & 1b	5	......	2½	11	......	2½	11
Dairy Hus.	2	2½	......	2½	8	......	......	......
Dairy Hus.	16	2½	......	......	......	......	2½	8
Animal Hus.	22	3	......	1½	3	......	1½	3
II. Thremmatology	1	5	......	2½	11	......	2½	11
Animal Hus.	13	2½	......	2½	8	......	......	......
Animal Hus.	12	2½	......	2½	9	......	......	......
Animal Hus.	14	2½	......	......	......	......	2½	9,M,W,F
ELECTIVES								

*Students following this course will be allowed to register for 18½ hours this semester as outlined.

Outline for Students Specializing in Dairy Husbandry

			FIRST HALF			SECOND HALF		
Subject	No.	Total Crds.	Sec.	Credit Hours	Hour	Sec.	Credit Hours	Hour
First Year								
I. Chemistry	1	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	Arr.	1½	....	Arr.	1½	....
Dairy Husbandry	1	3	....	3	1, 2	....	....	....
Dairy Husbandry	22	3	....	....	....	....	3	1, 2
Physical Training	1 & 1a	1	Arr.	½	....	Arr.	½	....
Military	2	1	Arr.	½	....	Arr.	½	....
II. Chemistry	2 & 3	5	B	2½	10, 11	B	2½	10, 11
Dairy Husbandry	19	3	....	3	1, 2	....	....	....
Dairy Husbandry	7	3	....	....	....	....	3	1, 2
Horticulture	2	2	....	1	8, Tu, Th	....	1	8, Tu, Th
Physical Training	1	1	Arr.	½	....	Arr.	½	....
Military	1 & 2	2	Arr.	1	....	Arr.	1	....
Second Year								
I. Chemistry	13a	5	B	2½	10, 11	B	2½	10, 11
Dairy Husbandry	2	2½	....	2½	8	....	....	....
*Dairy Husbandry	16	2½	....	....	....	....	2½	8
English	1	4	Arr.	2	....	Arr.	2	....
Military	2	1	Arr.	½	....	Arr.	½	....
II. Botany	1	5	....	2½	1, 2	....	2½	1, 2
Dairy Husbandry	17	2½	....	....	....	....	2½	3
Agronomy	6	2½	A	2½	8, 9	....	....	....
Dairy Husbandry	20	2½	....	2½	10	....	....	....
Rhetoric	1	3	Arr.	1½	....	Arr.	1½	....
Military	2	1	Arr.	½	....	Arr.	½	....
Third Year								
I. Agronomy	9	5	....	2½	8, 9	....	2½	8, 9
Horticulture	10a	3	Arr.	1½	....	Arr.	1½	....
Horticulture	1	5	B	2½	1, 2	B	2½	1, 2
ELECTIVES								
II. †Botany	5	5	....	2½	1, 2	....	2½	1, 2
Agronomy	12	5	....	2½	8, 9	....	2½	8, 9
Dairy Husbandry	8	2½	....	2½	10, 11	....	....	....
Dairy Husbandry	11	2½	....	....	....	....	2½	10, 11
Fourth Year								
I. Entomology	4	2½	....	2½	8, 9	....	....	....
Animal Hus.	7	2½	....	2½	10	....	....	....
Economics	2	2	C	1	3, M, W	C	1	3, M, W
Dairy Husbandry	12	Arr.	Arr.	....	....	....	....	....
English or Rhetoric from List B	....	3	Arr.	....	....	Arr.	....	....
II. Dairy Hus.	21	5	....	2½	8	....	2½	8
Zoology	1	5	....	2½	1, 2	....	2½	1, 2
Thremmatology	1	5	....	2½	11	....	2½	11

*Dairy Husbandry 16 requires extra time for practical work; time arranged.
†Botany 12 not required when Botany 5 is taken.

Outline for Students Specializing in Farm Mechanics

In addition to the work definitely prescribed below, 4½ hours must be elected from List A and 9 hours from List C. Students are advised to choose remaining electives from the following: Agron. 17, 19; Arch. 4; C. E. 10; E. E. 6, 16, 22; Hort. 10b; Math. 6, 7 and 9 or 8a; M. E. 11, 32, 42, 48, 49; T. & A. M. 12.

			FIRST HALF			SECOND HALF		
Subject	No.	Total Crds.	Sec.	Credit Hours	Hour	Sec.	Credit Hours	Hour
First Year								
I. Chemistry	1	5		2½	10, 11		2½	10, 11
Zoology	1	5		2½	9,M,W,F& 1,2MTWF		2½	9,M,W,F& 1,2MTWF
Mathematics	2 & 4	5		2½	8		2½	8
Agronomy	20	1					1	8, 9, S
Military	2	1	Arr.	½		Arr.	½	
Physical Tr.	1 & 1a	1	Arr.	½		Arr.	½	
II. Agronomy	4	5		2½	1, 2		2½	1, 2
Agronomy	6	2½		2½	8, 9			
Entomology	4	2½					2½	8, 9
Chemistry	2 & 3	5		2½	10, 11		2½	10, 11
Military	1 & 2	2	Arr.	1		Arr.	1	
Physical Tr.	1	1	Arr.			Arr.		
Second Year								
I. Chemistry	13a	5		2½	8, 9		2½	8, 9
Physics	2a & 2b	4		2	11 daily & 10, M, W		2	11 daily & 10, M, W
Rhetoric	1	3		1½	10, T, T, S		1½	10, T, T, S
Animal Hus.	8 & 21	2½		2½	1			
Botany	12	1					1	3, T, T
Mechanical Eng.	48	1					1	1,2,3,M,W
Military	2	1	Arr.	½		Arr.	½	
II. Physics	2a & 2b	4		2	10, 11		2	10, 11
Botany	1	5		2½	1, 2		2½	1, 2
Rhetoric	1	3		1½	3,M,W,F	1	1½	3,M,W,F
Electives		5	Arr.	2½		Arr.	2½	
Military	2	1	Arr.	½		Arr.	½	
Third Year								
I. Agronomy	1	2½		2½	10, 11			
Agronomy	2	3	B	1½	1,2, MWF	B	1½	1,2, MWF
Agronomy	9	5	A	2½	8, 9	A	2½	8, 9
Dairy Husbandry	1	3					3	10,11,daily & 8, 9, S
English	1	4		2	3,MTWT		2	3,MTWT
II. Agronomy	12	5	A	2½	8, 9	A	2½	8, 9
Agronomy	3	3	B	1½	1,2,M;W,F	B	1½	1,2,M,W,F
English	2	4		2	3,MTWT		2	3,MTWT
Electives		6	Arr.	3		Arr.	3	
Fourth Year								
I. Horticulture	1	5	A	2½	8, daily & 9, Tu, Th	A	2½	8, daily & 9, Tu, Th
Horticulture	10a	3		1½	4, W, F, & 3, F		1½	4, W, F, & 3, F
Animal Hus.	7	2½		2½	10			
Economics	2	2		1	3, M, W		1	3, M, W
Electives		5½	Arr.			Arr.		
II. Thremmatology	1	5		2½	11		2½	11
Electives		12	Arr.	6		Arr.	6	

Outline for Students Specializing in Horticulture*

			First Half			Second Half		
Subject	No.	Total Crds.	Sec.	Credit Hours	Hour	Sec.	Credit Hours	Hour
First Year								
I. Horticulture..	1	5	A	2½	8, Daily & 9, Tu, Th	A	2½	8, Daily & 9, Tu, Th
Chemistry	1	5	B	2½	10, 11	B	2½	10, 11
Botany	12	1	....	....	....	....	1½	3, Tu, Th
Rhetoric	1	3	....	1½	3,M,W,F	....	1½	3,M,W,F
Military Science....	2	1	Arr.	½	....	Arr.	½	....
Physical Tr..............	1 & 1a	1	Arr.	½	....	Arr.	½	....
II. Chemistry....	2 &3	5	A	2½	8, 9	A	2½	8, 9
Botany	1	5	....	2½	1, 2	....	2½	1, 2
Rhetoric	1	3	....	1½	3,M,W,F	....	1½	3,M,W,F
Military Science......	1 & 2	2	Arr.	1	....	Arr.	1	....
Physical Tr..............	1	1	Arr.	½	....	Arr.	½	....
Second Year								
I. Entomology....	4	2½	....	2½	8, 9	....	....	....
Chemistry	13a	5	B	2½	10, 11	B	2½	10, 11
Botany	2	5	....	2½	1, 2	....	2½	1, 2
English	1	4	....	2	3	....	2	3
Military	2	1	Arr.	½	....	Arr.	½	....
II. Horticulture	2 & 3	5	....	2½	8	....	2½	8
Horticulture	5	5	....	2½	1, 2	....	2½	1, 2
English	2	4	....	2	9	....	2	9
Horticulture	4	3	....	1½	3,4,MWF	....	1½	3,4,MWF
Military	2	1	Arr.	½	....	Arr.	½	....
Third Year								
I. Zoology..........	1	5	A	2½	8, 9	A	2½	8, 9
Agronomy	9	5	B	2½	10, 11	B	2½	10, 11
Dairy Husbandry....	1	3	....	3	1, 2	....	....	....
Horticulture	10a	3	B	1½	4, W, F 3, F	B	1½	4, W, F 3, F
II. Agronomy....	12	5	....	2½	8, 9	....	2½	8, 9
Horticulture	8	5	....	2½	10,Daily & 11,M,W,F	....	2½	10,Daily & 11,M,W,F
Electives	....	2½	....	2½	....	....	....	....
Horticulture	7	2½	....	....	....	....	2½	1, 2
Horticulture	20	2½	....	....	....	....	2½	3, 4
Fourth Year								
I. Botany............	7	5	....	1½	8, 9	....	1½	8, 9
Animal Hus............	7	2½	....	2½	10	....	....	....
Horticulture	12	2½	....	....	....	....	2½	10
Horticulture	11	2	....	1	2, Tu, Th	....	1	2, Tu, Th
Economics	2	2	C	1	3, M, W	C	1	3, M, W
Electives	....	2	....	....	....	....	....	....
II. Thremmatology	1	5	....	2½	11	....	2½	11
Horticulture	18	5	....	2½	9	....	2½	9
Horticulture	22	5	Arr.	2½	....	Arr.	2½	....
Agronomy	6	2½	....	....	....	....	2½	1, 2

*If horticultural students wish to specialize in pomology, floriculture, or some other branch of horticulture, rather than pursue a general course in horticulture, some departure from the outline here suggested may be made to suit the requirements of the individual student.

GENERAL COURSE IN FLORICULTURE

PRESCRIBED SUBJECTS

Required for the Degree of Bachelor of Science in Floriculture

Agronomy 6, 9, 12; 12½ hours
Botany 1, 2, 7; 15 hours
Chemistry 1, 2, 3, 13a; 15 hours
Economics 2; 2 hours
English Literature 1; 4 hours
Entomology 4; 2½ hours
Horticulture 1, 4, 5, 7, 10, 12, 15a, 15b, 30, 31, 32; 43½ hours
Mechanical Engineering 49; 1 hour
Military 1, 2; 5 hours
Physical Training 1, 1a; 2 hours
Rhetoric 1; 6 hours
Thremmatology 1; 5 hours
Zoology 1; 5 hours
Electives 11½ hours
For language requirement, see page 192.

Course of Instruction

First Year

*1. Horticulture 1; Rhetoric 1; Chemistry 1; Entomology 4; Military 2; Physical Training 1, 1a

†2. Horticulture 5; Rhetoric 1; Chemistry 2, 3; Agronomy 6; Military 1, 2; Physical Training 1

Second Year

1. Botany 2; Chemistry 13a; English Literature 1; Military 2

2. Botany 1; Horticulture 4; Zoology 1; Mechanical Engineering 49; Military 2; Electives 2 hours

Third Year

1. Botany 7; Agronomy 9; Horticulture 10; Economics 2

2. Horticulture 7, 15a; Agronomy 12; Electives 2½ hours

Fourth Year

1. Horticulture 12, 15b, 31; Electives 2½ hours

2. Horticulture 30, 32; Thremmatology 1; Electives 4½ hours

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* First semester.
† Second semester.

GENERAL COURSE IN HOUSEHOLD SCIENCE

PRESCRIBED SUBJECTS

Required for the Degree of Bachelor of Science in Household Science

Art and Design 1, 19; 8 hours
Botany 1, 5; 10 hours
Chemistry 1, 2, 3; 10 hours
English 1, 2; 8 hours
History 1 or 3; 6 or 8 hours
Household Science 1, 2, 3, 6, 7, 10, 12, 14; 20 hours
Physiology 4; 5 hours
Physical Training 7, Physiology 6; 3 hours
Rhetoric 1; 6 hours

In addition to the above, students will elect as follows:

Zoology, 5 hours
English or Rhetoric, 5 hours
Elective List A*, a minimum of 4 hours

ELECTIVES

List A.—

Agricultural Extension 1, 2, 3
Agronomy 5, 6
Dairy Husbandry 1, 14, 19
English 19, 24
Horticulture 1, 2, 3, 5, 19, 28
Household Science 5
Economics 2, Sociology 1
Physics 2a
Education 1, 2, or 6

In addition to the above, students who have not offered three units of foreign language for matriculation (commonly three years of high school work) of which two units are in the same language, will be required to offer one of the following at their option:

1. Two years of entrance and eight hours of university credit in foreign language. Except by special permission these credits should not be divided among more than two languages.

2. Sixteen university credits in the same foreign language; or

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* If Physics has not been offered for entrance, its equivalent should be elected.

3. Eight hours of university credits in English literature, in addition to the standard requirement, together with eight hours of economics, or eight hours of education.

SECOND YEAR

1. Household Science 6; Zoology 1; Household Science 7; foreign language, Art and Design 1; Horticulture 19
2. Household Science 14; foreign language; Botany 1; Art and Design 12; Horticulture 19; electives

THIRD YEAR

Art and Design 12, 19; Physiology 4; foreign language; advanced English

2. Household Science 3; Household Science 12; foreign language, advanced English, Economics 2

FOURTH YEAR

1. Household Science 10; Sociology 1; Education 1; History 3
2. Education 2 or 6; Botany 5; History 3

GENERAL COURSE IN LANDSCAPE GARDENING

PRESCRIBED SUBJECTS

Required for Degree of Bachelor of Science in Landscape Gardening

Art and Design 1, 2 or 3, 4; 11 or 12 hours
Botany 11; 5 hours
Horticulture 5, 10a, 10b, 19, 23, 24, 25, 26, 28, 29; 30½ hours
*Architecture 13 (6), 14 (6), 15 (6), 16 (6), 31 (20), 32 (8), 33 (18), 34 (18), 35 (22), 36 (23); 32 hours
Civil Engineering 1, 21, 22; 11 hours
Drawing (General Engineering) 1, 2; 8 hours
Economics 2; 2 hours
Entomology 4; 2½ hours
Foreign language; 8 hours
Mathematics 4; 2 hours
Military 1, 2; 5 hours
Physical Training 1, 1a; 2 hours
Rhetoric 1; 6 hours

ELECTIVES

Students are earnestly advised to take five years for the course and to include the following subjects:

Agronomy 1, 9; 7½ hours

*Architecture 43 (2), 44 (3), 55 (4), 10, 68 (12), 67 (41); 15 hours
Art and Design 19; 6 hours
Chemistry 1; 5 hours
History 1; 6 hours
Horticulture 4, 27; 5 hours
Mathematics 2; 3 hours

Course of Instruction

First Year

1. Art and Design 1; Architecture 31 (20); Drawing (General Engineering) 1; Military 2; Physical Training 1, 1a; Rhetoric 1

2. Architecture 32 (8); Art and Design 2 or 3; Drawing (General Engineering) 2; Mathematics 4; Military 1, 2; Physical Training 1; Rhetoric 1

Second Year

1. Architecture 13 (6), 33 (18); Civil Engineering 21; foreign language; Horticulture 10a; Military 2

2. Architecture 14 (6), 34 (18); Civil Engineering 22; foreign language; Horticulture 10b; Military 2

Third Year

1. Art and Design 4; Architecture 15 (6), 35 (22); Economics 2; Horticulture 19, 23, 24

2. Architecture 16 (6), 36 (23); Art and Design 4; Civil Engineering 1; Horticulture 19, 23, 24

Fourth Year

1. Entomology 4; Horticulture 25, 26, 29
2. Horticulture 5, 25, 26, 29

REQUIREMENTS FOR GRADUATION

Students are graduated with the degree of Bachelor of Science in landscape gardening upon completing the following work:

1. The studies of the prescribed list.
2. Sufficient electives, which may be any University courses approved by the instructor in charge, to make a total of 130 hours.

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* The courses in architecture have been renumbered; the old numbers are given in parentheses.

GENERAL COURSE FOR PROSPECTIVE TEACHERS OF AGRICULTURE

PRESCRIBED SUBJECTS

Required for the Degree of Bachelor of Science in the General Course for Teachers of Agriculture

Agronomy 5, 6, 9, 12, 21; 21 hours
Animal Husbandry 1a, 2a, 4, 7, 11, 13, 21; 16½ hours
Dairy Husbandry 1, 2, 16; 8 hours
Horticulture 1, 3, 5, 10a, 19; 18 hours
Agricultural Extension 1, 3; 6 hours
Thremmatology 1;* 2½ hours
Botany 1, 12; 6 hours
Chemistry 1, 2, 3, 13a; 15 hours
Entomology 4; 2½ hours
Zoology 1; 5 hours
English 1; 4 hours
Rhetoric 1, 5, 7; 9 hours
Economics 2; 2 hours
Education 1, 6; 8 hours
Library Science 12; 2 hours
Military 1, 2; 5 hours
Physical Training 1, 1a; 2 hours
For language requirement, see page 192

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* Students taking the Teachers' Course may take Thremmatology 1 for one-half semester and receive 2½ credits for same.

Outline for Students Taking Prospective Teachers' Course

			FIRST HALF			SECOND HALF		
Subject	No.	Total Crds.	Sec.	Credit Hours	Hour	Sec.	Credit Hours	Hour
First Year								
I. Chemistry	1	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	?	1½	Arr.	?	1½	Arr.
Animal Hus.	21	1½	....	1½	1,M,W,F	....	....	....
Botany	12	1	....	....	....	....	1	3, Tu, Th
Dairy Hus.	2	2½	....	2½	8	....	....	....
*Dairy Hus.	16	2½	....	....	....	....	2½	8
Military	2	1	?	½	Arr.	?	½	Arr.
Physical Tr.	1 & 1a	1	?	½	Arr.	?	½	Arr.
II. Chemistry	2 & 3	5	B	2½	10, 11	B	2½	10, 11
Rhetoric	1	3	?	1½	Arr.	?	1½	Arr.
Botany	1	5	B	2½	1, 2	B	2½	1, 2
Horticulture	3	3	....	1½	8,M,W,F	....	1½	8,M,W,F
Military	1 & 2	2	?	1	Arr.	?	1	Arr.
Physical Tr.	1	1	?	½	Arr.	?	½	Arr.
Second Year								
I. Chemistry	13a	5	B	2½	10, 11	B	2½	10, 11
Horticulture	1	5	B	2½	1, 2	B	2½	1, 2
Horticulture	10	3	?	1½	Arr.	?	1½	Arr.
Agronomy	5	2½	A	2½	8, 9	....	....	....
Military	2	1	?	½	Arr.	?	½	Arr.
II. Zoology	1	5	B	2½	8, 9	B	2½	8, 9
Animal Hus	4	2½	....	2½	1, 2	....	....	....
Agricultural Ex.	3	1	....	....	....	....	1	3, M, W
Agronomy	6	2½	....	....	....	....	2½	1, 2
Animal Hus.	2a	2½	....	2½	10	....	....	....
Library Science	12	2	....	1	Arr.	....	1	Arr.
Military	2	1	?	½	Arr.	?	½	Arr.
Third Year								
I. Agronomy	9	5	A	2½	10, 11	A	2½	10, 11
English	1	4	?	2	Arr.	?	2	Arr.
Rhetoric	7	2	....	1	1, Tu, Th	....	1	1, Tu, Th
Horticulture	19	1	....	½	10, 11, S	....	½	10, 11, S
Entomology	4	2½	....	2½	8, 9	....	....	....
Animal Hus.	11	2½	....	....	....	B	2½	2
II. Agronomy	12	5	B	2½	8, 9	B	2½	8, 9
Agronomy	21	5	....	2½	10, 11	....	2½	10, 11
Horticulture	5	5	....	2½	1, 2	....	2½	1, 2
Horticulture	19	1	....	½	10, 11, S	....	½	10, 11, S
Fourth Year								
I. Education	1	5	....	2½	2	....	2½	2
Rhetoric	5	1	....	½	8, Tu	....	½	8, Tu
Economics	2	2	C	1	3, M, W	C	1	3, M, W
Animal Hus.	7	2½	....	2½	10	....	....	....
Animal Hus.	1a	2½	B	2½	11	....	....	....
Dairy Hus.	1	3	....	....	....	....	3	10, 11
II. Thremmatology	1	2½	....	2½	11	....	....	....
Education	6	3	....	1½	2,M,W,F	....	1½	2,M,W,F
Agricultural Ex	1	5	....	2½	3	....	2½	3
Animal Hus.	13	2½	....	2½	8	....	....	....
ELECTIVES								

*Dairy Husbandry 16 requires extra time for practical work; time arranged.

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT

THOMAS JONATHAN BURRILL, Ph.D., LL.D., *Vice-President, Professor of Botany*

DAVID KINLEY, Ph.D., LL.D., *Dean of the Graduate School and Professor of Economics*

ALBERT PRUDEN CARMAN, A.M., D.Sc., *Professor of Physics*

WILLIAM FREEMAN MYRICK GOSS, D.Eng., *Dean of the College of Engineering, Director of the School of Railway Engineering and Administration, Professor of Railway Engineering*

GUY STANTON FORD, Ph.D., *Professor of Modern European History*

GEORGE ABRAM MILLER, Ph.D., *Professor of Mathematics*

WILLIAM ALBERT NOYES, Ph.D., *Professor of Chemistry and Director of the Chemical Laboratory*

JULIUS GOEBEL, Ph.D., *Professor of the Germanic Languages*

HENRY BALDWIN WARD, Ph.D., *Professor of Zoology*

ARTHUR NEWELL TALBOT, C.E., *Professor of Municipal and Sanitary Engineering*

STUART PRATT SHERMAN, Ph.D., *Professor of English*

BOYD HENRY BODE, Ph.D., *Professor of Philosophy*

HERBERT WINDSOR MUMFORD, B.S., *Professor of Animal Husbandry*

JAMES HARVEY PETTIT, Ph.D., *Professor of Soil Fertility*

WILLIAM ABBOTT OLDFATHER, Ph.D., *Associate Professor of the Classics*

HISTORY AND ORGANIZATION

Although for many years the University of Illinois has offered advanced students facilities for study and research in various lines, graduate work was undertaken under the name of the Graduate School for the first time in 1892. In 1894 the administration of the school was vested in the Council of Administration, and the Vice-President of the University became Dean of the School. In 1906 the Graduate School was organized as a separate faculty, consisting of a dean and members of the University faculty assigned to this duty by the President. In the winter of 1906-7, the Forty-fifth General Assembly of the State passed an act appropriating $50,000 per year for the support of a Graduate School of the Arts and Sciences in the State University.

By act of the Trustees the teaching faculty of the Graduate School includes all members of the University faculty who give graduate courses. The affairs of the School, however, are in charge of the executive faculty, consisting of the Dean and other members appointed each year by the President.

ADMISSION

For admission to the Graduate School to work for a degree, the applicant must hold a first degree either from the University of Illinois or from some other university or college of approved standing. Admission to particular graduate courses or departments may be secured only by those who have had the requisite undergraduate work in those courses or departments. If any student wishes to take graduate work in a department in which he has not the necessary preliminary training, he must secure this preparation in the undergraduate courses without credit towards an advanced degree.

In order to be enrolled as a member of the Graduate School a student must be doing graduate work. The possession of a first degree does not entitle a student to be enrolled in the Graduate School, if the courses which he is taking are undergraduate.

Students of mature age, who do not hold a first degree, but satisfy the Dean of the School and the officers of the departments in which they wish to work of their earnestness of purpose and special fitness, may be permitted to take work in the Graduate School without reference to candidacy for a degree. In order to secure this permission, however, a candidate must have had such preliminary preparation for the work he wishes to take up as would justify his admission to the Graduate School as a candidate for a degree if he could meet the formal requirements.

REGISTRATION

Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester. The first registration, however, or that upon entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Each student is required to attend a minimum of four class, lecture, or laboratory exercises a week, in the first year of his graduate study; in no case is he permitted during his course to attend more than twelve exercises a week.

Residence.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professors in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

CHARACTER OF GRADUATE WORK

The work expected from graduate students is different in character from that usually demanded from undergraduates. Regularity of attendance, wide knowledge, and ability to meet examination tests are of secondary importance. The principal aim of graduate study is the development of the power of independent work and the promotion of the spirit of research. Consequently, before he can get his degree, each graduate student is expected to show that he has acquired the power of independent research. In addition, each candidate is expected to have a wide knowledge of his subject and of related fields of work, for the graduate student is not expected to get from lecture and laboratory courses all the knowledge and training necessary to meet the requirements for his degree. The class, lecture, or laboratory course is intended to present the principles or theory of the subject and serve as a model or guide to the student in his private reading and research.

Students are warned against restricting themselves merely to the courses prescribed or suggested by the departments in which they are studying. Each student is expected to do a wide range of private reading and study; and in many cases will find it advisable to take one or more courses of lectures quite outside the field of his chosen subjects.

THE MASTERS' DEGREES

Candidates for the degree of Master of Arts or Master of Science are required to do at least one year's work in residence and to write a thesis.

Each candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. However, the candidate must do at least half his work in his major subject. Each candidate for a master's degree is also required to present a thesis on some subject approved by the professor in charge of his major work and the Dean of the School. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work, and with the approval of the Dean. Permission to take the degree without a thesis must be obtained not later than the latest date for the approval of thesis subjects, as shown by the calendar.

The Master's Degree in Engineering

Two classes of second degrees are open to graduates of the College of Engineering, namely, academic and professional.

The *academic* second degree in engineering is Master of Science, following Bachelor of Science in Architecture, Architectural Engineering, Civil Engineering, Electrical Engineering, etc. This degree is conferred in accordance with the regulations described above *for work in residence only.*

The *professional* second degrees in engineering are as follows:

Master of Architecture, after B.S. in Architecture.

Architectural Engineer, after B.S. in Architectural Engineering.

Civil Engineer, after B.S. in Civil Engineering or B.S. in Municipal and Sanitary Engineering.

Electrical Engineer, after B.S. in Electrical Engineering.

Mechanical Engineer, after B.S. in Mechanical Engineering.

Mining Engineer, after B.S. in Mining Engineering.

Civil Engineer, Electrical Engineer, or Mechanical Engineer, after B.S. in Railway Engineering, according to the course.

Professional degrees are conferred upon two classes of candidates: 1. Graduates of the College of Engineering of the University of Illinois who have been engaged in acceptable professional work away from the University for a period of not less than three years after receiving the degree of Bachelor of Science. 2. Graduates of the University of Illinois, or of institutions of equal standing, who have been engaged in acceptable professional work in residence at the University for a period of not less than three years after receiving the degree of Bachelor of Science.

In "acceptable professional work" may be included contributions to technical literature, activity in professional societies, investigations of engineering problems, and the teaching of engineering subjects.

A candidate must declare his candidacy, and file with the Dean of the College of Engineering, as chairman of the committee in charge, a detailed statement covering his professional study and experience, not later than the first Monday in November preceding the commencement at which he purposes to qualify. Prior to December 31 next succeeding, he must submit for approval an outline of his proposed thesis, and he must file his completed thesis not later than April 1. If the statement of professional experience and study and the thesis are acceptable, the candidate must present himself at commencement in order to receive the degree.

Candidates for professional engineering degrees who already hold the degree of Master of Science, may qualify for the professional degree after two years of professional work, other conditions being the same as those prescribed for candidates holding the degree of Bachelor of Science.

THE DEGREE OF DOCTOR OF PHILOSOPHY

General Statement of Requirements.—The requirements for the degree of Doctor of Philosophy are a thorough mastery of a selected field of study, evidence of the power of independent investigation in this field, a broad knowledge of the wider field of study of which this major subject is a part, a general acquaintance with related fields of knowledge, and a mastery of all branches of study which are necessary to a full knowledge of the main subject. Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and second minor. The major subject is the field in which the student expects to become expert and an authority. The first minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The second minor should be chosen outside of the major field of study.

When a candidate chooses any subject as his major, and a division of that subject as his first minor, he is not permitted to choose as a second minor any division of work in the same department, excepting by vote of the executive faculty of the School.

The candidate's list of subjects must receive the approval of the head of the department in which he chooses his major work and of the Dean of the School.

Period of Study.—The minimum period of study required for securing the degree of Doctor of Philosophy is three years, and if a candidate of ability enters the Graduate School fully qualified to take up immediately the work leading to a doctorate and devotes all his time to the pursuit of his purpose, he will usually succeed in getting his degree at the end of three years. If, however, he begins his work without full preparation, or his strength is partly devoted to other matters, he will be required to spend a longer time. In any case, the degree is conferred not for residence during a certain period but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Candidates should note that credit is not given for work done in other universities, excepting in the sense that their residence at other institutions is counted towards the residence requirement for the doctor's degree. The candidate is examined here on the subjects offered by him for the advanced degree.

At least the first two or the last one of the three years required must be spent at this University.

Examinations.—Towards the end of his second year of study, or, by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination conducted by the members of the faculty with whom he is doing his principal work, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is partly oral, and may be wholly so. At this time, or before, the candidate will be required to demonstrate his ability to read French and German, and any other language needed for the prosecution of his work. Excepting where the chosen field of study itself includes the languages, the examinations in languages are conducted simply to determine whether the student is able to use the language as a tool for the purpose of investigation.

On or before the last Monday in May of the year in which the candidate expects to come up for his degree, he must submit to a final examination by a committee appointed by the Dean of the Graduate School. This examination will be partly written. The candidate will also have, however, an oral examination. These examinations will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the broad fields of knowledge represented by his course of study.

Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied. If, after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

The final examination in the major and minor subjects may not be divided. The examination must be taken all at one time, even though it requires several sessions.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The thesis must be the result of the author's own investigation. Acquaintance with the literature of the subject will not secure the acceptance of the thesis if it does not show real power of research. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of study and must be submitted for formal approval not later than the first Monday of November of the year when the degree is expected. A typewritten copy of the completed thesis must be in the hands of the Dean not later than noon of May eleventh.

The thesis must be printed and one hundred copies deposited in the library of the University before the degree is conferred. If, for any reason, the thesis cannot be printed and one hundred copies deposited before commencement time, the candidate must, before the first Monday in June, deposit a bond acceptable to the Comptroller of the University and the Dean of the Graduate School for the cost of printing his thesis, or such part thereof as may be regarded as sufficient to meet the requirements of the rules.

The title page of each thesis must bear the words "Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy—(here put the major subject), in the Graduate School of the University of Illinois." The title page must also contain the full name of the author, the full title of the thesis, the year of imprint, and, if a reprint, the title, the volume and a statement of the pagination of the volume from which it is reprinted. Each thesis must have an appendix giving a short educational history of the candidate, including the institutions he has attended, his degrees and honors, the title of his publications, and such other matters as may be pertinent.

SCHOLARSHIPS AND FELLOWSHIPS

A number of fellowships and scholarships have been established by the Trustees of the University. To first year graduate students of ability and promise there are open a number of scholarships with a stipend of $250 each and freedom from tuition, incidental, and laboratory fees. To second and third year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $300 to $500, with freedom from fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of five dollars on receiving his diploma.

Appointments to fellowships and scholarships are made on the understanding that the stipends accepted are sufficient to enable appointees, with their other means, to devote themselves exclusively to their University work during the year.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois, or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made upon blanks provided for the purpose, to be obtained from the Dean of the Graduate School. These application forms should be addressed to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired.

Applications for scholarships and fellowships should be accompanied with full information concerning the applicant, and with any written or printed essays or results of investigation which he can submit.

Applicants for fellowships are required to send the Secretary of the Board of Trustees notice of their acceptance or refusal of the appointment; and to agree that, if accepted, the fellowship will not be resigned to take a fellowship in any other institution during the year for which it is awarded.

Nominations to fellowships are made upon the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself.

Scholarships and fellowships are good for one year only, but may be renewed for a second or a third year in special cases. An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of any one who has shown distinguished merit in his work.

Fellows may be required to assist in laboratories or classes in furtherance of their training for careers as investigators or teachers.

Research Fellowships in the Engineering Experiment Station

The Engineering Experiment Station, devoted entirely to research, was established by action of the Board of Trustees, December 8, 1903. Its purposes are the stimulation and elevation of engineering education, and the study of problems of special importance to professional engineers and to the manufacturing, railway, mining, and industrial interests of the State and the country.

Ten fellowships, each of five hundred dollars a year, have been established in the Engineering Experiment Station. Applicants to whom these fellowships are awarded are required to agree to hold them for two years, devoting a part of their time to work in the Engineering Experiment Station of the University. Application for these fellowships should be made to the Director of the Engineering Experiment Station.

THE GRADUATE CLUB

The Graduate Club is an organization of the graduate students and graduate faculty. Its purpose is to furnish an opportunity for those working in different departments to become acquainted with one another and thus counteract the tendency toward narrowness which graduate work often develops. The meetings are held at convenient intervals during the year. Some of these meetings are of a purely social character while at others informal addresses or papers are given.

THE LIBRARY SCHOOL

For a description of the Library Building, see page 69; for an account of the libraries themselves, see pages 77, 78; for the collection in library economy, see page 76; for fees, see page 123.

AIM AND SCOPE

It is the purpose of the Library School to offer a two years' course of instruction to students who wish to enter library work as a profession, and to offer certain library courses to students in other schools and colleges of the University of Illinois who may wish to elect them as a part of their course of training. The course is planned so that students who complete the first or junior year's work are prepared to accept the less responsible positions in library service, the schedule of courses in this year being so arranged as to cover the generally accepted methods and practices in modern library work. In the second or senior year some of the junior subjects are gone over more intensively, greater emphasis being placed upon historical and comparative methods of treatment; other subjects are introduced to give the student a broad outlook and a scholarly, technical, and administrative equipment for the more responsible positions.

One or two years of training will not take the place of years of experience, but they will make the student more adaptable and his general library service more intelligent. The practical work of the course amounts to over three months of time, counting eight hours a day, and this is more valuable, because more varied, than if taken in three consecutive months in any one library. Moreover, the library school student has the benefit of comparative study, while the apprentice becomes skillful in the ways of one library only. Although stress is laid upon simplicity and economy, elaborate methods are taught to enable students to work in large libraries where such methods and bibliographic exactness are required. Emphasis is laid upon the extension of the activities of the public library, and upon the importance of co-operation between the library and the schools and other educational agencies.

A student in any other school or college of the University of Illinois may elect any course for which he is prepared. These courses will help students in general reading, in research work, in club work, as high school teachers, or as members of a library committee or a board of trustees. The school also offers a course of eighteen hours on the use of the library and the ordinary reference books, which will help in general reading or study.

ENTRANCE REQUIREMENTS

Admission to the Library School is conditioned upon the presentation of credentials showing that the applicant holds a bachelor's degree in arts or science from the University of Illinois or has had other equivalent training.

Application blanks for admission may be secured from the Director of the School, and these, filled out, should be filed, together with such documentary material as the candidate may offer, showing qualifications for admission, not later than the registration days in September. It will be to the candidate's interest to present the application and certificates as early as convenient, in order that the question of admission may be settled before he makes his appearance.

ADVANCED STANDING

College graduates who have had approved library experience or who have attended other library schools may be accorded advanced standing by securing credit for some of the courses required for graduation. After satisfying all entrance requirements and after matriculation, the applicant for advanced standing may secure such credit either by examination or by transfer of credits from another institution offering courses in library economy.

SPECIAL STUDENTS

It is the practice of this School to admit as special students only those mature persons who, though unable to meet the formal requirements for entrance, are substantially prepared for thorough and advanced work. Such persons must present evidence of possessing the requisite information and ability to pursue profitably, as special student, the chosen subjects, and some substitute for the regular requirements for entrance, such as approved library or teaching experience, foreign travel, etc. Preference will be given to those already engaged in library work, especially in Illinois, who may desire more adequate training in particular subjects.

LIBRARY VISITS AND FIELD WORK

During the junior year the students visit as many libraries as possible in central Illinois, while the senior students spend one week visiting the various libraries of Chicago, and also certain of its book-binderies, printing establishments, and book-stores.

In order to assure a varied library experience, each student in the senior year is required to spend one month in an assigned public library, working, as far as practicable, under the same conditions as a member of the staff of that library.

SCHEDULE OF COURSE

The course is two years in length. For graduation a student must receive credit for all courses except those marked with an asterisk (*), which are elective. The degree of Bachelor of Library Science is conferred on a student who has completed the two years' course.

JUNIOR YEAR

First Semester

2 Reference work (3 hrs.).
3 Selection of books (2 hrs.).
4 Practice work, 4 hours per week (2 hrs.).
16 Order, accession, and shelf work (2 hrs.).
17 Classification and book numbers (3 hrs.).
18 Cataloging (3 hrs.).
23 Library administration and current library literature (1 hr.).

Second Semester

2 Reference work (3 hrs.).
3 Selection of books (2 hrs.).
4 Practice work, 4 hours per week (2 hrs.).
7 History of libraries (2 hrs.).
19 Trade bibliography (1 hr.).
20 Loan department (1 hr.).
21 Printing, binding, indexing (2 hrs.).
22 Library extension (3 hrs.).
23 Library administration and current library literature (1 hr.).

SENIOR YEAR

6 Subject bibliography (2 hrs.).
8 *Advanced reference work (2 hrs.).
10 Practice work, 8 hours per week (4 hrs.).
13 Public documents (2 hrs.).
15 Seminar (2 hrs.).
24 Selection of books (2 hrs.).
27 Bibliographical institutions (1 hr.).
26 Library administration (3 hrs.).

6 Subject bibliography (2 hrs.).
9 *Bookmaking (2 hrs.).
10 Practice work, 8 hours per week (4 hrs.).
13 *Public documents (2 hrs.).
15 Seminar (2 hrs.).
24 Selection of books (2 hrs.).
25 Advanced classification and cataloging (1 hr.).
26 Library administration (3 hrs.).
28 *Practice work in various departments of the library (1 to 4 hrs.).

LIBRARY CLUB

Any member of the Library School faculty or of the staff of the University Library and any student in the Library School may become a member. Six meetings are held each year to discuss professional questions, and for social purposes.

THE SCHOOL OF MUSIC

ADMISSION AND FEES

For admission to the School of Music, see the general statement of entrance requirements of the University, page 85. For fees, see page 123.

AIMS AND SCOPE

The School of Music offers regular courses leading to the degree of Bachelor of Music, and a teacher's certificate in the department of public school methods.

A series of lectures and recitals is given each year. Only artists of the best reputation appear. Music students are admitted free and are required to attend these concerts.

The instructors in the School of Music give recitals and lectures on musical subjects during the year.

The course in the history of music and theory, as well as the work in the university orchestra and the university choral society, may be taken by students in other departments without fee.

Students who are not working for the degree in music may receive a statement from their instructors upon completing not less than one year of college work.

Classes in ear training meet twice each week. The fundamental principles of musical notation are studied thoroughly and the ear is trained to recognize intervals, chords, etc., so that the student may eventually think music. Music students are required to attend these classes.

The sight-singing classes meet twice each week. This work is required of music students.

MUSICAL ORGANIZATIONS

The military band is conducted by the instructor in band instruments. Besides giving several concerts during the year it furnishes music for regimental formations and ceremonies and other occasions as required by the President of the University. Membership is decided by competitive examination.

The university choral and orchestral society is conducted by the Director of the School of Music, and gives a series of concerts throughout the year. The orchestra meets for two hours' rehearsal once a week; it is open to all students who qualify for membership. The chorus meets once a week for rehearsal of choral works. Singers not connected with the University are admitted by examination.

Course in Music

PRESCRIBED SUBJECTS

Music 1					4 hours
Music 2					4 hours
Music 3					6 hours
Music 4					6 hours
Music 5					5 hours
Music	Piano	Voice	Violin	'Cello	
First Year	7	12	17	17a	12 hours
Second Year	8	13	18	18a	12 hours
Third Year	9	14	19	19a	16 hours
Fourth Year	10	15	20	20a	18 hours
French, German or Italian					16 hours
Physics 2					2 hours
English 1					4 hours
English 2					4 hours
Rhetoric 1					6 hours
Rhetoric 3					4 hours
Military 1, 2 (for men)					3 hours
Physical Training—					
Men 1, 1a					2 hours
Women 7, 9					3 hours

The remaining hours of credit may be obtained in electives offered in the College of Literature and Arts, the choice of subjects being left to the individual students.

COURSE IN PUBLIC SCHOOL METHODS

Students completing the course in public school methods are granted teachers' certificates. This course is a professional one designed to prepare students for positions as teachers of music in the public schools. The required subjects are musical history, theory, ear-training, sight-singing, voice, piano, choral society, conducting, and methods of teaching. An opportunity for practice teaching is offered.

REQUIREMENTS FOR GRADUATION

Credit for 130 semester hours,* including military and physical training, together with an acceptable thesis, is required for graduation. The thesis must be on a topic related to music.

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* For definition of semester hour, see page 132.

THE SCHOOL OF EDUCATION

FACULTY

The faculty of the School of Education includes all those instructors who offer courses primarily intended for prospective teachers.

PURPOSE

It is the purpose of the School to bring together all the resources of the University which contribute in a professional way to the preparation of three classes of workers in the public school system:

1. The High School Principal and the High School Teacher.—The School provides for the needs of the high school principle, by supplying a general knowledge of the various subjects of the high school curriculum, as well as a knowledge of organization and administration as applied to the secondary school; and for those of the departmental specialist by supplying a more extended knowledge of a few subjects.

2. The Supervisor of Special Subjects.—Manual training, agriculture, domestic science, music, drawing, and physical training, as now taught in the better class of school systems, are subjects which demand specially trained supervisors; the facilities of the University for instruction in these are thoroughly utilized.

3. The School Superintendent.—Demanding, as he does, a knowledge of the development of school systems, a keen insight into pedagogical problems, and an appreciation of child-nature, the superintendent needs extended preparation; this the School of Education is prepared to give.

COURSE

The course of study of the School of Education is made up of offerings selected from the work of the various departments of instruction in the University. The course is elective except for the graduation requirements of the college in which the student is registered.

The work is arranged in four groups:

(a) Courses in education, psychology, and sociology bearing directly upon the profession of the teacher.

(b) Courses especially intended for teachers, offered by various departments of the University.

(c) Suggested programs for students preparing to become special teachers and supervisors of agriculture, domestic science, drawing, music, or physical training.

(d) Suggested programs for continuous and progressive work in subjects represented in the high school curriculum.

SUGGESTED ELECTIVES

All students who are preparing to teach are advised to elect, besides those special subjects in which they desire to become proficient, the following professional courses:

1. Education 1 (Principles of Education), four hours; Education 2 (History of Education), five hours; Education 10 (Observation and the Technique of Teaching), three hours
2. Psychology 1 (Elementary Psychology), three hours; Psychology 5 (Genetic Psychology), two hours

The courses in psychology should, as far as possible, be elected in the sophomore year of the student's course.

SPECIAL LECTURES

A number of special lectures are offered each year by the School of Education. The State Superintendent of Public Instruction and the presidents of the five state normal schools of Illinois are officially connected with the School in the capacity of special lecturers. Other educators of prominence are also invited from time to time to do similar service.

COMMITTEE ON APPOINTMENT OF TEACHERS

The committee has in charge the naming of candidates from among University graduates for positions as teachers or supervisors of public schools, colleges, and technical schools.

The Director of the School of Education is chairman of this committee, and the official nominations of students and graduates of the University to public school positions are made through his office.

THE SCHOOL OF RAILWAY ENGINEERING AND ADMINISTRATION

GENERAL STATEMENT

The School of Railway Engineering and Administration has been established to prepare men broadly for the technical and administrative departments of railroads. The work offered is arranged in five different courses, any one of which is designed to occupy four years' time. The courses are:

Railway Civil Engineering
Railway Mechanical Engineering
Railway Electrical Engineering
Railway Transportation
Railway Traffic and Accounting

The first three of these courses are administered by the College of Engineering, and a description of them appears with that of other courses offered by this College. Students are admitted to them under the same conditions as to other courses of the College of Engineering, and they have available for their use all of the library, drafting-room, and laboratory facilities which constitute the equipment of this College. The last two courses are administered by the College of Literature and Arts; they are described in detail in connection with the other courses of this College. Students are admitted to them under the same conditions as to other courses of the College of Literature and Arts, and they enjoy all the privileges of students in this College.

It is the purpose of each of these courses to add to the broad foundation of discipline and training which should be supplied by every college course, such specialized training as will be most useful to those who look forward to careers in railway service.

MILITARY SCIENCE

The military instruction is under the charge of an officer of the United States Army. The course as a whole has special reference to the duties of officers of the line. A full supply of arms and ammunition is furnished by the War Department, including 1,200 U. S. magazine rifles (model 1898) and accoutrements, two field pieces of artillery, and full equipment for a signal corps and a hospital corps.

Every male student under twenty-five years of age, able to perform military duty, and not excused for sufficient cause, is required to drill twice each week until he has gained credit for four semester hours. He is also required to study drill regulations for infantry, and to recite upon the text once a week until he gains credit for one semester hour.

The practical instruction begins as soon as possible after a student enters the University. The standings in study and drill are placed on record with other class credits; one semester of recitations and drill counts two hours, and the three remaining semesters of drill three hours. This work is required for graduation in all the undergraduate colleges of the University.

The regiment, three battalions of five companies each, is composed mainly of the members of the freshman and sophomore classes. The non-commissioned officers are usually selected from the sophomore class, the lieutenants from the junior class, and the field officers and captains from the senior class and graduate school. There are 1,450 cadets and sixty commissioned officers in the regiment.

Artillery and signal detachments are organized mainly from those of the second year or sophomore class who have made more than an average standing in the work of the previous year.

A special military scholarship, good for one year, is open to each student who attains the grade of a commissioned officer; its value is paid to the holder at the close of the year. Appointments in the regiment are made on nomination by the commandant of cadets and confirmation by the Council.

Towards the close of the year a committee appointed by the President of the University examines candidates for nomination to the Governor of the State to receive commissions as brevet captains in the State militia. Candidates must be members of the senior class in full standing at the time of this examination; must have completed the course of military studies; must have served two semesters as commissioned officers; and must be approved by the Council of Administration as having good reputations as scholars, officers, and gentlemen.

The uniform is of cadet gray, the coat trimmed with black mohair braid, the trousers with black cloth stripe, cut after the U. S. Army pattern. During warm weather a blue flannel shirt is worn instead of the coat. In order that all uniforms worn at the University may be, in quality, make, and finish, in strict acordance with the specifications adopted by the Board of Trustees, all students enrolled in the military department are required to obtain them from that firm only that may, for the time being, be under agreement and bond with the Trustees to furnish said uniforms at a stated price and of standard quality.

The university military band is composed of students, and every full term of service therein is counted as one term of drill. Besides giving several concerts during the year, it furnishes music for regimental formations and ceremonies and other occasions as required by the President of the University. Membership is decided by competitive examination.

PHYSICAL TRAINING

FOR MEN

The object of the work of this department is to preserve and improve the bodily health of the students by rational exercises and to teach proper intercollegiate sports. Regular classes are formed in swimming and fencing and for drill on the various gymnasium appliances. Lectures are given on personal hygiene.

All competitive athletic games are under the direct supervision of the Director of Physical Training, and an examination is required to show that membership on any team will not cause injury, but will tend to improve the physical condition. No student whose class work is unsatisfactory is allowed to play on a University team.

For a description of the Gymnasium, see page 70.

FOR WOMEN

The object of the work of this department is to preserve and improve the general health, carriage, and co-ordination of the young women of the University. Each student is given a physical examination; suitable exercise is prescribed and advice given.

The class work embraces corrective, hygienic, and recreative exercise, including free and light gymnastics, marching, fancy steps, games, Maypole, etc. Tennis, hockey, basket-ball, volley-ball, German-ball, and quoits are played in season.

The gymnasium is open at certain hours and under suitable restrictions to all women of the University. The uniform consists of black serge bloomers, white "middy" blouse, and gymnasium shoes.

The swimming pool is open daily, except Saturday, from 10 to 12 a. m. and from 2 to 5 p. m. The regulation swimming suit of one piece must be made of either denim or mohair.

For a description of the gymnasium, see under Woman's Building, page 70.

THE SUMMER SESSION

Edmund Janes James, Ph.D., LL.D., *President*
William Chandler Bagley, Ph.D., *Director*

STAFF OF INSTRUCTION, 1911

Clara Abel, *Instructor in Library Science*

Frank Maloy Anderson, A.M., *Professor of History, University of Minnesota*

William Chandler Bagley, Ph.D., *Professor of Education*

C. J. Baker, A.B., *Assistant in Chemistry*

Clarence William Balke, Ph.D., *Assistant Professor of Chemistry*

Philip Stephan Barto, A.M., *Assistant in German*

Ernest Ludlow Bogart, Ph.D., *Associate Professor of Economics*

George Paul Boomsliter, B.S., *Instructor in Theoretical and Applied Mechanics*

Howard Vernon Canter, Ph.D., *Associate in the Classics*

David Hobart Carnahan, Ph.D., *Associate Professor of the Romance Languages*

George Ernest Carscallen, A.M., *Associate in Mathematics*

Steven Sheldon Colvin, Ph.D., *Professor of Psychology*

Arthur Robert Crathorne, B.S., Ph.D., *Associate in Mathematics*

Arthur Hill Daniels, Ph.D., *Professor of Philosophy*

Charles E. Decker, *Professor of Geology, Allegheny College*

Charles George Derick, Ph.D., *Instructor in Chemistry*

Daniel Kilham Dodge, Ph.D., *Professor of English*

Clara Eckhardt, *Assistant in Household Science*

Frederick Ellis, *Instructor in Wood Shop*

Melvin Lorenius Enger, B.S., *Instructor in Theoretical and Applied Mechanics*

Roy Newton Fargo, B.S., *Assistant in Physical Culture for Men*

Justus Watson Folsom, Sc.D., *Assistant Professor of Entomology*

Thomas Walton Galloway, Ph.D., *Professor of Biology, James Millikin University*

James Wilford Garner, Ph.D., *Professor of Political Science*

Rosa Lee Gaut, *Assistant in Physical Training for Women*

Robert Douglas Glasgow, A.B., *Assistant in Entomology*

Mary E. Goff, A.B., B.L.S., *Instructor in Library Science*

Evarts Boutell Greene, Ph.D., *Professor of History*

Ernest Milton Halliday, S.B., LL.B., *Associate in English (Public Speaking)*

Leo Gregory Hana, *Director of Men's Gymnasium*

Ellen Birdseye Hatch, A.B., *Instructor in Physical Training, Oberlin College*

Edward Cary Hayes, Ph.D., *Professor of Sociology*

William Samuel Hendrix, A.M., *Assistant in the Romance Languages*

Mabel Hill, *Assistant in Art and Design*

Horace Adelbert Hollister, A.M., *High School Visitor*

Charles Frederick Hottes, Ph.D., *Assistant Professor of Botany*

Harrie Stuart Vedder Jones, Ph.D., *Associate in English*

Truman Lee Kelley, A.B., *Assistant in Psychology*

Armin Hajman Koller, A.M., *Assistant in German*

Edward John Lake, B.S., *Assistant Professor of Art and Design; Acting Head of the Department*

Edgar Thomas Lanham, *Instructor in Forge Work*

George Royer La Rue, A.M., *Assistant in Zoology*

Philip Augustus Lehenbauer, A.M., *Assistant in Botany*

Ellen S McCarthy, Ph.D., *Instructor in Chemistry*

Duncan MacInnes, Ph.D., *Assistant in Chemistry*

Irwin Arthur Madden, B.S., *Assistant in Agricultural Education*

Oscar Ross Martin, A.B., *Assistant in Economics*

John Harrison Minnick, A.M., *Assistant in Mathematics*

Elizabeth Nuckolls, *Assistant in Physical Training for Women*

Helena Maud Pincomb, B.S., *Instructor in Household Science for Secondary Schools*

Charles Marshall Poor, Ph.D., *Instructor in German*

David L. Scroggin, *Instructor in Mechanical Engineering*

Fred B. Seely, B.S., *Instructor in Theoretical and Applied Mechanics*

James Byrne Shaw, Sc.D., *Assistant Professor of Mathematics*

William Edward Simonds, Ph.D., *Professor in English, Knox College*

Frances Simpson, M.L., B.L.S., *Assistant Professor of Library Science*

Mrs. Constance Barlow Smith, *Instructor in Sight-Singing, Ear-Training, and in charge of Public School Methods*

William Herschel Smith, B.S., *Assistant in Animal Husbandry*

Robert Kent Steward, B.S., *Instructor in General Engineering Drawing*

Earle Kenneth Strachan, *Assistant in Chemistry*

Thomas Smith Taylor, Ph.D., *Instructor in Physics*

Frank Waters Thomas, A.M., *Principal of the Academy*

Ralph Earle Tieje, A.B., *Assistant in English*

Vincent Hollis Todd, A.M., *Instructor in German*

Carl Clinton Van Doren, A.M., *Instructor in English and Comparative Literature, Columbia University*

Gustaf Eric Wahlin, Ph.D., *Instructor in Mathematics*

Leonard William Wahlstrom, *Teacher of Manual Training, F. W. Parker School, Chicago*

Arthur Roy Warnock, A.B., *Instructor in English*

Floyd Rowe Watson, B.S., Ph.D., *Assistant Professor of Physics*

Elmer Howard Williams, Ph.D., *Instructor in Physics*

Jay Walter Woodrow, A.B., *Assistant in Physics*

GENERAL STATEMENT

The Summer Session of the University of Illinois for 1911 opened on June 26, and closed on August 19. The Summer Session of 1912 will open on June 17 and continue through eight weeks.

The number of credit-hours which may be earned in each course is stated in the description of courses beginning on page 231. Students may register for courses aggregating eight credit-hours or less.

PURPOSE

The primary purpose of the summer session is to meet the needs of teachers in the public schools who wish to spend a part of the summer vacation in serious study or investigation. The greater number of courses offered are designed particularly for high-school teachers, supervising officers, and teachers of special subjects (art, music, manual training, domestic science, agriculture, etc.) and for college instructors, school supervisors, and principals who are working for advanced degrees. At the same time, students who may not fall within these groups are welcomed at the session, and a number of courses of a more general nature are provided to meet their needs.

The informal features of the session will include conferences of teachers, superintendents, and principals.

GRADUATE WORK IN THE SUMMER SESSION

The increasing number of teachers, principals, and superintendents who wish to work for advanced university degrees justifies the emphasis which the summer session is placing upon graduate study. The laboratories of chemistry, physics, botany, zoology, and psychology will be available for advanced work. Additions to the library during the past year have been particularly important in completing sets of periodicals, monographs, and other materials so essential to effective graduate study.

Teachers of the State who already hold a bachelor's degree from a college of recognized standing may be admitted to the Graduate School during the summer session. It is possible to complete the work for the master's degree entirely by summer residence.

It is well for those wishing to register for advanced degrees to communicate with the Dean of the Graduate School before the opening of the session.

PREPARATION FOR TEACHERS' CERTIFICATES

To teachers who desire to make thorough preparation for the state-certificate examinations, the summer session offers marked advantages, especially in connection with the professional subjects.

The examination will be held July 23 to 26, 1912. Candidates for the General Certificate must take the examination in Springfield. The State Elementary-School Certificate, the State High-School Certificate, and the State Supervisory Certificate may be obtained by examinations held on the above dates at the University of Illinois, *provided that at least fifteen applicants notify the State Superintendent prior to June 10, 1912, of their wish to take the examination here.* Further information concerning the examinations may be obtained by addressing the State Superintendent of Public Instruction, Springfield, Illinois.

FEES

A tuition fee of twelve dollars ($12) is required of all students in regular attendance at the session. This entitles one to admission to regular courses and to all special lectures. An extra laboratory fee is charged in some courses for materials used. Any single course may be taken for a fee of six dollars ($6) and the laboratory fee, if there be any in connection with the course taken. A single course is understood to mean not more than two and one-half credit-hours.

SCHOLARSHIPS

By ruling of the Board of Trustees of the University, all high-school teachers in Illinois, and all other teachers in the State who are qualified to matriculate in the University as regular students, are entitled to summer session scholarships, exempting them from payment of the tuition fee. To matriculate regularly in the University, one must either pass the entrance examinations, or present a certificate from an accredited high school or other evidence of having completed the requisite amount of preparatory work. (See pages 85-106.)

Those who wish to take advantage of the scholarship privilege should present to the Director of the Summer Session prior to June 1, 1912, a statement from the board of education employing them to the effect that they have been teaching during the past year. Application-blanks for this purpose may be obtained from the Director.

REGISTRATION

Students will present themselves for registration on Monday, June 17, 1912.

DESCRIPTION OF COURSES

EXPLANATION OF ABBREVIATIONS

"S," which is prefixed to each of the courses offered, means "summer," and is used to distinguish such courses from those of the same number offered during the regular college year.

The number in parenthesis after each course indicates the number of hours of credit given.

Unless otherwise stated each course extends through the eight weeks of the session.

The word *"daily"* in the announcements of courses indicates that the class meets five times each week.

The asterisk (*) indicates those courses for which graduate credit is granted. Only courses so marked count toward the master's degree. The hours' credit indicated for such courses has reference only to undergraduate students. Graduate students are not granted credit in terms of semester hours.

AGRICULTURE

MR. SMITH, MR. MADDEN

S 1. SECONDARY SCHOOL AGRICULTURE.—For science teachers in high schools. *Daily; two periods;* (2½). MR. MADDEN

S 2. COMMON SCHOOL AGRICULTURE.—For teachers in elementary and rural schools. *Daily; two periods;* (2½). MR. MADDEN

S 3. HISTORY AND JUDGING OF MARKET AND IMPROVED LIVE STOCK.—History, development, and characteristics of the various breeds of live-stock; effect of development of improved live-stock on agriculture and other industries; critical study of type. *Daily;* (2½). MR. SMITH

S 4. BEEF, PORK, AND MUTTON PRODUCTION.—The principles of nutrition involved in the production of farm animals; breeding, feeding, and management of live stock. *Daily;* (2½). MR. SMITH

ART AND DESIGN

Assistant Professor Lake, Miss Hill

S 1. Elementary.—Form drawing from still life, cast, and nature; principles of outline and shading in pencil, charcoal, and crayon; lectures on the principles of perspective. *Daily; two periods;* (2½). Assistant Professor Lake

S 4. Water Color Painting.—Still-life, flowers, and out-door sketching in water color. *Daily;* (2½). Miss Hill

Prerequisite: Art and Design, 1, or equivalent skill in drawing.

S 20. Art for the Common Schools.—The planning and execution of work in the several divisions of common school art study; design; black-board drawing. Lectures upon organization, equipment, and the administrative side of the supervisor's work. (For supervisors of drawing, and public school teachers.) *Daily; two periods;* (2½). Assistant Professor Lake and Miss Hill

S 19. History of the Fine Arts.—Illustrated lecture course with reference reading. Text: Reinach's *Apollo. Daily;* (2½). Assistant Professor Lake

BIOLOGY

(See Botany, Zoölogy, and Entomology.)

BOTANY

Assistant Professor Hottes, Mr. Lehenbauer.

Note:—A number of informal meetings and excursions are planned to afford such students as may desire it, an opportunity for gaining facility in the use of the analytical key of the Manual, and for becoming acquainted with the local flora. No credit will be given for this work.

S 21. Plant Physiology. — Laboratory Fee $1.00. Text: *Ganong's Plant Physiology,* 2d edition; *Daily; two periods;* (2½). Assistant Professor Hottes, Mr. Lehenbauer

Prerequisite: Entrance credit in botany or its equivalent.

S 22. Technique and Elementary Histology.—Methods of collecting and preserving material for the classroom, and the preparation of permanent slides and museum specimens; the anatomy of the vegetative organs and its relation to their function. Laboratory Fee $2.00. Text: Stevens' *Plant Anatomy,* 2d edition, *Daily; two periods* (2½). Assistant Professor HOTTES

Prerequisite: Botany S-21 or its equivalent.

COURSES FOR GRADUATES

*S 101. CYTOLOGY.—The influence of external agents on the cell. Reports and discussions of current literature and research results. (Special subjects for investigation are assigned upon consultation.) *Arrange hours and credit.* Assistant Professor HOTTES

*S 102. PHYSIOLOGY.—The effects of external stimuli on growth and movement. Reports and discussions of recent literature and research results. *Arrange hours and credit.*

Assistant Professor HOTTES

CHEMISTRY

Assistant Professors BALKE and WASHBURN, Dr. DERICK, Dr. McCARTHY, Mr. MACINNES, Mr. STRACHAN, Mr. BAKER

GRADUATE WORK.—Graduate students whose major subject is not chemistry or agriculture may take for their graduate work S 5a or S 13a. Students whose major subject is chemistry may take S 111.

S 1. ELEMENTARY CHEMISTRY.—The non-metallic elements. Illustrated lectures; recitations; laboratory. Text: Alexander Smith's *General Chemistry for Colleges. Daily; two periods;* (5).
Assistant Professor BALKE, Dr. McCARTHY, Mr. MACINNES, Mr. BAKER

S 2. DESCRIPTIVE INORGANIC CHEMISTRY (A continuation of S 1). —The metallic elements, their compounds, and properties. Illustrated lectures; recitations; no laboratory. Text: Alexander Smith's *General Chemistry for Colleges. Daily;* (2).

Assistant Professor BALKE

Prerequisite: Chemistry 1.

S 3. QUALITATIVE ANALYSIS.—Lectures; recitations; laboratory. Text: Noyes' and Smith's *Qualitative Analysis. Daily;* (3).

DR. McCARTHY

Prerequisite: Chemistry 1.

*S 5a. ELEMENTARY QUANTITATIVE ANALYSIS.—Laboratory: Gravimetric and volumetric methods; lectures and recitations: stoichiometrical relations, the fundamental laws of chemistry and their applications to the study of solutions. Text: Lincoln and Walton's *Exercises in Quantitative Analysis. Daily; 4 periods;* (5).

Mr. STRACHAN

Prerequisite: Chemistry 1, 3.

S 9 and 9a. Organic Chemistry.—Typical and simple organic compounds; derivatives of carbon. Texts: Moore's *Outline of Organic Chemistry; Noyes' Organic Chemistry for the Laboratory; Daily; four periods;* (5). Dr. Derick

Prerequisite Chemistry 2, 3

S 9b. Organic Synthesis.—(Continuation of S 9a.) Text: Noyes' *Organic Chemistry for the Laboratory; Daily; three periods;* (2). Dr. Derick

Prerequisite: Chemistry S 9a.

S 14. Organic Chemistry (advanced)—Lectures; recitations. Noyes' *Organic Chemistry; Daily; arrange;* (3). Dr. Derick

Prerequisite: Chemistry S-9 or equivalent.

S 11 and *S 111. Research.—Opportunity will be given for advanced work and research in inorganic, physical, organic or analytical chemistry. *Arrange.*

Assistant Professors Balke and Washburn, Dr. Derick, Dr. McCarthy

(Subject to approval of Graduate School Faculty.)

*S 13a. Agricultural Analysis.—The gravimetric determination and separation of the more important constituents of soils, fertilizers, and agricultural products. Text: Lincoln and Walton's *Elementary Exercises in Quantitative Analysis; Daily; four periods;* (5). Mr. Strachan

S 17. Teachers' Course.—*Arrange;* (1).

Assistant Professor Balke

*S 102e. The Phase Rule. Seminar. Text: Findlay's *Phase Rule. Arrange.* Assistant Professor Washburn

DRAWING, GENERAL ENGINEERING

Mr. Steward

S 1. Elements of Drafting.—Freehand and mechanical lettering; practice in the use of instruments on standard set of working drawing plates; tracing, machine sketching, isometric and oblique projection, and perspective. Text: Miller & Steward's *Notes on Mechanical Drawing* and *Plate Specifications; Daily;* (4).

Mr. Steward

S 2. Descriptive Geometry.—Problems relating to the point, line, and plane; the properties of surfaces; intersections and developments of surfaces. Text: Miller's *Descriptive Geometry. Daily;* (4). Mr. Steward

ECONOMICS

Associate Professor Bogart, Mr. Martin.

S 2. Principles of Economics.—The general principles of Economics with special reference to the experience of the United States. Text: Seager's *Economics* (Briefer Course.) (This course will be accepted as the equivalent of Economics 2.) *Daily, one period;* (2½). Mr. Martin

Prerequisite: Two years of university credit.

S 22. Economic History of the United States.—Explorations and settlements; colonization; industrial development. Text: Bogart's *Economic History of the United States,* supplemented with lectures and class room discussions. (Not open to students with junior or senior standing.) *Daily; one period;* (2½).

Associate Professor Bogart

S 23. Social and Industrial Problems.—Lectures; outside reading; class discussions. (This course will be accepted as a substitute for Economics 16 for students who have had Economics 2 or who are taking it concurrently. Special work will be assigned these students.) *Four periods;* (2). Associate Professor Bogart

*S 118. Seminar.—Taxation in the United States and the principal European countries. Weekly Conferences. *Arrange.*

Associate Professor Bogart, Mr. Martin

EDUCATION AND PSYCHOLOGY

Professors Colvin and Bagley, Assistant Professor Hollister,
Principal Thomas, Mr. Kelley

(Courses S 2, S 3, S 7, and S 101 are granted graduate credit.)

S 1. Principles of Teaching.—The function of education; formal and informal education; fundamental principles of physical and mental development and their relation to the art of teaching; a brief survey of standard methods of instruction: the leading principles of school hygiene. *Four periods;* (2).

Professor Bagley, Mr. Kelley

*S 2. Educational Values and Methods.—The criterion of function; classification of functions; criteria of value; an examination of the principal subjects of the school curriculum with especial reference to the relation of standard methods of organization and teaching to the principles of function and value. *Four periods;* (2).

Professor Bagley

*S 3. School Organization and Administration.—The historical background of the American public-school system; units of administration; financial support; supervision; teachers' qualifications; community adjustments. Text: Dutton and Snedden's *Administration of Public Education in the United States. Daily; one period* (2½). Assistant Professor Hollister

S 4. High School Administration.—Organization and development of the American high school; comparison with secondary schools of Europe; program of studies; its underlying principles and the means of making it effective; the school as a social group. Text: Hollister's *High School Administration. Daily; one period;* (2½). Assistant Professor Hollister

S 5. Class Management.—The problems of school and class management with particular reference to high-school conditions; adolescence and its problems; discipline; lesson-planning; the recitation; relation of teacher to supervising officers and to the community. *Four periods;* (2). Principal Thomas

S 6. History of Education.—The development of educational theory and practice in their relation to the history of civilization. Text: Anderson's *History of Common School Education. Daily; one period;* (2½). Principal Thomas

S 9. Educational Psychology.—The biological aspects of learning; the analysis of the mental processes involved in learning; the economy and technique of learning; application of methods and results to the problems of the schoolroom. *Daily; one period;* (2½). Professor Colvin

S 12. The Experimental Psychology of the Learning Process.—Physical and mental tests to determine the abilities and defects of children as commonly met in the schools. *Lectures; laboratory.* Text: Whipple's *Manual of Mental and Physical Tests. Daily; one period;* (2½). Professor Colvin, Mr. Kelley

S 13. Educational Statistics.—Methods of grading; kinds of averages; the mean, median, mode, average, deviation, quartiles, standard deviation; forms of distribution; correlation; probable error; typical statistical studies in education; retardation and elimination. *Two periods;* (1). Mr. Kelley

*S 101. Seminar.—Typical problems in administration and teaching. *One period.* Professor Bagley

ENGLISH

(See also Rhetoric.)

Professor Dodge, Professor Simonds, Dr. Jones, Mr. Warnock, Mr. Tieje, Mr. Van Doren

S 1a. Introductory Course.—English Literature before the Nineteenth Century. (This course with S 1b is equivalent to English 1.) Text: Cunliffe's *Century Readings. Four periods;* (2). Professor Dodge

Prerequisite: Three years at an approved high school.

S 1b. Introductory Course.—English Literature before the Nineteenth Century. (This course with S 1a is equivalent to English 1.) Text: Cunliffe's *Century Readings. Four periods;* (2). Mr. Van Doren

Prerequisite: Three years at an approved high school.

S 2a. Introductory Course.—English Literature of the Nineteenth Century. (This course with S 2b is equivalent to English 2.) Text: Cunliffe's *Century Readings. Four periods;* (2). Mr. Warnock

Prerequisite: Three years at an approved high school.

S 2b. Introductory Course.—English Literature of the Nineteenth Century. (This course with S 2a is equivalent to English 2.) Text: Cunliffe's *Century Readings.* Mr. Tieje

Prerequisite: Three years at an approved high school.

S 15. Course for Teachers.—Some of the books in English Literature required for entrance to the University are studied with reference to their use in the school room. *Four periods;* (2). Professor Simonds

Prerequisite: The consent of the instructor.

S. 16. American Literatue. Texts: Cavins's *Early American Writers* and Page's *Chief American Poets.. Four periods;* (2). Professor Simonds

Prerequisite: English 1 and 2 or an equivalent.

S 23. Elementary Course in Shakespeare.—Text: Neilson's *The Complete Works of William Shakespeare. Four periods;* (2). Dr. Jones

Prerequisite: English 1 and 2 or an equivalent.

S 7. Chaucer.—Text: Skeat's *Student's Chaucer. Four periods;* (2). Dr. Jones

Prerequisite: Two years of college English.

S 8. Old English (Anglo-Saxon). Grammar, prose, and short poems. Text: Smith's *An Old English Grammar and Exercise Book. Daily;* (3). Professor Dodge

Prerequisite: Two years of college English, or one year of college English and one year of German.

ENTOMOLOGY

Assistant Professor Folsom, Mr. Glasgow

S 1. General Field and Laboratory Course.—Planned to meet the needs of high school teachers; the most essential facts of entomology, especially those relating to insects that affect the agriculture of the State. Lectures; laboratory studies; field observations. (For agricultural students, arrangements are made to enable them to carry under this course the required economic entomology [Entomology 4] of the fall and spring semesters.) Text: Folsom's *Entomology with Reference to Its Biological and Economic Aspects. Daily; two periods;* (2½). Assistant Professor Folsom

S 2. Advanced Course.—Instruction in several lines of advanced entomological study to meet the purposes of the individual student; a special series of lectures will be given to those who avail themselves of the opportunity that the summer season affords for the study of advanced economic entomology. *Arrange.*
Assistant Professor Folsom

FRENCH

(See Romance Languages.)

GERMAN

Dr. Poor, Mr. Todd, Mr. Koller, Mr. Barto

S 1. Beginners' Course.—Pronunciation, grammar, composition, reading of easy texts. Text: Vos's *Essentials of German. Nine periods;* (4). Dr. Poor, Mr. Koller

S 2. Intermediate Course.—Grammar, composition, reading. Text: Vos's *Essentials of German. Daily;* (3). Mr. Barto

Prerequisite: German 1 or an equivalent.

S 3. Prose Reading.—Reading of narrative prose, sight translation, composition. *Daily;* (3). Mr. Barto

Prerequisite: German 3 or an equivalent.

S 4. Readings from the Classics.—Lessing's *Minna von Barn-*

helm, Schiller's *Jungfrau von Orleans. Daily;* (3). MR. TODD
Prerequisite: German 4 or an equivalent.

NOTE: Students securing a grade of 85 or more and doing additional work assigned by the instructor, may supplement the work of S 2, S 3, or S 4, making it the equivalent of the University courses 3, 4, or 5 respectively, the additional credit to be indicated at registration.

S 5. PROSE COMPOSITION.—Translation of ordinary prose into German; study of idiomatic constructions; practice in free composition in German. Text: Pope's *German Composition. Four periods;* (2) MR. KOLLER
Prerequisite: Two years of university German or an equivalent.

S 7. READINGS FROM GOETHE AND SCHILLER.—Goethe's *Iphigenie auf Tauris,* Schiller's *Braut von Messina,* and selected lyrics and ballads. *Daily;* (3). MR. TODD
Prerequisite: Two years of university German or an equivalent.

S 9. TEACHER'S COURSE.—Place, aim, and scope of the study of German in the high school; discussion of methods and the chief difficulties in teaching German. *Two periods;* (1). DR. POOR
Prerequisite: Three years of university German or an equivalent, or experience in teaching German.

S 11. GOETHE'S FAUST.—Critical reading of the first part of Faust. *Three periods;* (1½). DR. POOR
Prerequisite: Three years of university German or an equivalent.

HISTORY

Professor GREENE, Professor GARNER, Professor ANDERSON

S 1c. EUROPEAN HISTORY, 1648-1871.—An introductory course corresponding, for the period covered, to History 1, as given during the regular University session. (It is the plan of the department to cover the field of medieval and modern European history in three courses in succeeding summer sessions. The course given next year will probably cover the early medieval period.) *Daily;* (2½).
Professor ANDERSON

S 3a. AMERICAN HISTORY, 1606-1783.—A part of the usual introductory course in American history which will ordinarily be given in three periods in succeeding sessions. (The course offered next year will probably cover the period from 1783-1860.) *Daily;* (2½).
Professor GREENE

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

(Junior or senior standing required)

S 15. THE AMERICAN CIVIL WAR AND THE PERIOD OF RECONSTRUCTION, 1860-1877. *Daily;* (2½). Professor GARNER

Prerequisite: One college course in American history or its equivalent.

S 24. EUROPE DURING THE NAPOLEONIC PERIOD, 1799-1815.—The work of Napoleon in the reorganization of French institutions and in the extension of the social transformations of the French Revolution to the other countries of Europe; organic laws, treaties, and other state papers. *Daily;* (2½). Professor ANDERSON

Prerequisite: One college course in modern European history or its equivalent.

COURSES FOR GRADUATES

*S 112. SELECTED TOPICS IN AMERICAN HISTORY DURING THE EIGHTEENTH CENTURY.—Provision will be made in this course for graduate students who desire guidance either in reading or in research. *Arrange.* Professor GREENE

Prerequisite: This course is open only to students regularly registered in the Graduate School, who have had at least one college course in American history.

HOUSEHOLD SCIENCE

Miss PINCOMB, Miss ECKHARDT

NOTE: The work offered in food is of two grades. A, that designed for those who have had no previous work of the kind; B, that designed for those who have had training in general science, who have studied or taught household science, and who wish to prepare themselves to teach it in high schools. The text book used is *Selection and Preparation of Food.* There will be reference work in addition.

S 1A. FOOD.—The use and care of utensils and kitchen equipment; the cooking of various types of food; combinations; cost and sources of food; table setting and service. Lectures; laboratory; recitations; table setting. *Five periods;* (1). Miss PINCOMB

S 1B. FOOD.—The types of foods; combinations; cost and methods of estimating dietetic value; planning and serving of typical meals. Laboratory; lectures; discussions. *Eight periods;* (1½). MISS PINCOMB

S 1. Sewing.—The making of undergarments; the use and care of machines; drafting; use of patterns; making of a shirt waist and cotton dress. Laboratory; lectures; quizzes. *Five periods;* (1½). Miss Eckhardt

3. Organization and Equipment.—Work in both domestic science and domestic art considered from the standpoint of their relation to other subjects in the school curriculum; kind and cost of equipment and methods of presentation. *Two periods;* (1). Miss Eckhardt

LATIN

Dr. Canter

S 1. Roman Elegy.—Tibullus; Propertius; Ovid; the differences in their social, political, and literary ideals and their use of the elegaic distich. *Three periods;* (1½). Dr. Canter

*S 102. Roman Epigram.—Catullus and Martial; the origin and development of the epigram as a department of literature; its technique and chief representatives in Roman soil from Ennius to the writers of the Anthologia Latina. Lectures; discussions. *Three periods;* (1½). Dr. Canter

S 3. Sallust.—Selections from the Catiline and Jugurtha; Sallust's syntax and style as compared with that of Cicero. *Two periods;* (1). Dr. Canter

S 4. Teachers' Course.—Special attention to the problems and methods of instruction in Latin in the secondary schools; the essentials of Latin study in the first and second years; books and equipment. *Two periods;* (1). Dr. Canter

LIBRARY SCIENCE

Assistant Professor Simpson, Miss Goff, Miss Abel

Note: The courses indicated covered six weeks and received no University credit. Only people employed in libraries were admitted.

S 1. Classification; Cataloging; Book Numbers.—*Five times a week.*

S 2. Reference Work.—The selection and use of reference books suited to the small public library. *Twice a week.*

S 3. Selection of Books.—Lectures on subject bibliography. *Twice a week.*

S 4. WORK WITH CHILDREN.—Selection and discussion of children's books; administration of children's libraries; classification and cataloging. *Twice a week.*

S 5. ORDER AND ACCESSION; LOAN DEPARTMENT; BINDING AND REPAIR. *Twice a week.*

S 6. LIBRARY ADMINISTRATION AND EXTENSION. *Twice a week.*

MANUAL TRAINING

(See also MECHANICAL ENGINEERING.)

MR. WAHLSTROM, MR. ELLIS

S 1. ORGANIZATION OF MANUAL TRAINING.—The development of manual training; manual training systems; manual training courses in the United States; the influence of industrial education; manual training aims, methods, and limitations; study of courses; planning equipments. *Daily;* (2½). MR. WAHLSTROM

S 2. METHODS OF TEACHING WOOD-WORKING.—Constructive design in wood-working; fundamental processes; methods of conducting classes; practice-teaching; planning courses in bench-work in wood; courses in thin wood, wood-turning, and framing. Texts: Griffith's *Essentials of Wood Working;* Crawshaw's *Problems in Furniture Making. Daily; three-hour periods* (3).
MR. WAHLSTROM, MR. ELLIS

MATHEMATICS

Assistant Professor SHAW, DR. CRATHORNE, DR. WAHLIN, MR. MINNICK, MR. CARSCALLEN

S 2. ADVANCED ALGEBRA.—(Equivalent to Mathematics 2.) Algebraic reductions; variables and functions; equations; inequalities; mathematical induction; variation; progressions; complex numbers; limits; infinite series; undetermined coefficients. (Theory of equations will be given with Math. S 6.) Text: Rietz and Crathorne's *College Algebra. Daily;* (3). DR. CRATHORNE

S 4. PLANE TRIGONOMETRY.—(Equivalent to Mathematics 4.) Text: Hall and Frink's *Plane Trigonometry. Five periods;* (2).
MR. CARSCALLEN

S 6. ANALYTICAL GEOMETRY.—(Equivalent to Mathematics 6.) Plane and solid analytic geometry; the theory of equations and the corresponding graphs. Text: Riggs' *Analytic Geometry. Ten periods;* (5). *Mr. Minnick*

S 7. DIFFERENTIAL CALCULUS.—(Equivalent to Mathematics 7.)

Text: Townsend and Goodenough's *First Course in Calculus. Ten periods* (5). Dr. Wahlin

S 9. Integral Calculus.—(Equivalent to Mathematics 9.) Text: Townsend and Goodenough's *First Course in Calculus. Daily;* (3). Assistant Professor Shaw, Mr. Carscallen

*S 11. Synoptic Course.—(Equivalent to Mathematics 11.) Development of Mathematics; importance in the intellectual history of the race; principles of the important branches of pure and applied mathematics; survey of modern extensions. Lectures; assigned readings. *Daily;* (2). Assistant Professor Shaw

*S 12. Theory of Equations.—Continuation of Mathematics 2. Properties of the roots of equations; symmetric functions; Sturm's and other like theorems; determinants. Text: Burnside and Panton, Vol. 1. *Daily.* Dr. Crathorne

MECHANICAL ENGINEERING

(See also Manual Training.)

Mr. Ellis, Mr. Lanham, Mr. Scroggin

S 1. Pattern Shop.—The care and use of tools; the construction of patterns, core boxes, and the use of machines such as the found in modern pattern shops. *Daily three-hour periods;* (3). Mr. Ellis

S 2. Forge Shop.—Shaping and welding iron and steel; dressing and tempering lathe and other tools; annealing and case hardening. *Three two-hour and two three-hour periods a week;* (1½). Mr. Lanham

S 3. Machine Shop.—Chipping and filing; elementary work on lathe, drill press, shaper, planer, and grinding machine. *Daily three-hour periods* (2½). Mr. Scroggin

S 4. Advanced Machine Shop.—The use of milling machine, screw machine, gear cutter, boring mill, and turret lathe; erecting and testing of machines and gas engines. *Daily three-hour periods;* (2½). Mr. Scroggin

Note: Lectures on tools and shop processes are given frequently, and inspection trips to shops in the local and adjoining towns are made in connection with all classes in shop practice. A student may finish one full year's work in the shop during the summer term.

MECHANICS, THEORETICAL AND APPLIED

Mr. Seeley, Mr. Boomsliter, Mr. Enger

S 7. Analytical Mechanics.—The first half of Analytical Mechanics as given in Maurer's *Technical Mechanics. Daily two-hour periods;* (3). Mr. Boomsliter

Prerequisite: Mathematics 7; registration in Mathematics 9.

S 8. Analytical Mechanics.—The second half of Analytical Mechanics as given in Maurer's *Technical Mechanics. Daily;* (2½). Mr. Seeley

Prerequiste: Mathematics 9; T. and A. M. 7.

S 9. Resistance of Materials.—Elementary mechanics of materials; experiments and investigations in the materials laboratory; problems in ordinary engineering practice. (Equivalent to T. and A. M. 9.) Merriman's *Mechanics of Materials. Five one-hour and two two-hour periods a week;* (3½). Mr. Seeley, Mr. Enger

Prerequisite: T. and A. M. 7; registration in T. and A. M. 8.

S 10. Hydraulics.—The pressure and the flow of water and its utilization as motive power; the observation and measurement of pressure, velocity, and flow; power and efficiency; the determination of experimental coefficients. Recitations; laboratory. Text: *Hoskin's Hydraulics. Four one-hour and two two-hour periods a week;* (3). Mr. Enger

Prerequisite: T. and A. M. 8.

Note: With the opening of the hydraulic laboratory for the summer session, arrangements may be made to use its facilities for special experimental work.

MUSIC

Mrs. Smith

S 1 Public School Music.—Ear-training, sight-singing, and methods of instruction; adapted to the needs of elementary and high-school teachers, and supervisors of music; superintendents and principals will have excellent opportunities for observing methods of teaching music. Section A, primary and intermediate; Section B, high-school appreciation course. *Two periods.* Mrs. Smith

S 2. Ear Training.—Recognition of rhythms, intervals, and chords; musical notation; musical forms and analysis. (A part of the work in ear-training will be given in connection with S 3.) *One period.* Mrs. Smith

S 3. Sight-Singing.—Visualization (eye-training); voice-cul-

ture; correct breathing; dictation, oral and written; songs and their elements. Section A, preparatory ear-training and sight-singing; Section B, advanced ear-training and sight-singing. *Two periods.*
Mrs. Smith

S 4. Chorus Work.—*Two periods.* Mrs. Smith

Note: University credit is not given for summer courses in music. Private lessons in voice, piano, violin, band instruments, and musical theory are offered by the instructors in the School of Music. Students interested in such lessons should communicate with the Director of the School of Music.

PHILOSOPHY

Professor Daniels

*S 4. Modern Philosophy.—The formation and development of the problems and conceptions in philosophy from Descartes to the present time. Selections from the philosophical masterpieces of this period. *Five periods;* (2½). Professor Daniels

S 9. Political and Social Ethics.—Moral principles in their application to political and social relations. *Five periods;* (2½).
Professor Daniels

PHYSICAL TRAINING FOR MEN

Director Hana, Mr. Fargo

S 1. Gymnasium Practice.—Class drills with hand apparatus; heavy apparatus work. *Arrange.* Mr. Hana

S 2. Gymnasium Practice.—Advanced heavy apparatus work. *Arrange.* Mr. Hana

S 3. Swimming.—Special attention to beginners. *Arrange.*
Mr. Fargo

PHYSICAL TRAINING FOR WOMEN

Mrs. E. B. Hatch, Miss Nuckolls

S 1. Practice and Theory.—Correcting common faults of carriage, posture, etc. Personal hygiene; clothing; bathing; sleep; diet; exercise, and other personal habits. Lectures; hygienic and corrective exercises. *Daily.* Mrs. E. B. Hatch

S 2. Practice.—Elementary drills in free gymnastics, light apparatus, folk and gymnastic dancing; tennis, lawn bowling, and other games. *Daily.* Mrs. E. B. Hatch

S 3. SWIMMING.—Instruction and practice. *Daily.*
Mrs. E. B. HATCH, Miss NUCKOLLS

PHYSICS

Assistant Professor WATSON, Dr. TAYLOR, Dr. WILLIAMS,
Mr. WOODROW

S 2a. GENERAL PHYSICS.—Lectures; demonstrations; recitations. Text: Thompson's *Elementary Lessons in Electricity and Magnetism. Three periods;* (1½). Dr. TAYLOR, Mr. WOODROW

Prerequisite: Plane geometry and high school algebra. Plane trigometry desired.

S 2b. INTRODUCTORY LABORATORY PHYSICS.—A laboratory course in electricity and magnetism to accompany S 2a. Text: Taylor's *Laboratory Physics. Three two-hour periods;* (1½).
Dr. TAYLOR, Mr. WOODROW

Prerequisite: Same as for S 2a.

S 15. ELECTRICITY AND MAGNETISM.—A laboratory course with lectures, assigned reading, and reports. Text: Carhart and Patterson's *Electricity and Magnetism. Three three-hour periods;* (1½).
Dr. WILLIAMS

Prerequisite: A course in general physics.

S 16. HEAT.—Fundamental heat phenomena; experiments in thermometry, calorimetry, vapor pressure, expansion. Lectures; recitations; laboratory. Text: Edser's *Heat. Two three-hour periods;* (1). Dr. WILLIAMS

Prerequisite: A course in general physics.

S 18. TEACHERS' COURSE.—Discussions of the practical problems involved in teaching elementary physics; methods of teaching; the lecture, the laboratory, the quiz, the note-book; the text book; apparatus and purchasing of apparatus; literature for physics. Text: Notes by the instructor. *Three periods;* (1½).
Assistant Professor WATSON

Prerequisite: A course in general physics, or experience in teaching physics.

S 23. WAVE MOTION AND SOUND.—An elementary presentation of wave motion with applications to sound. Text: Everett's *Vibratory Motion and Sound. Two periods;* (1).
Assistant Professor WATSON

Prerequisite: Algebra and trigonometry; a course in general physics desired.

S 24a. Radioactivity.—The properties of radioactive substances; the relation of these substances to each other; the nature and properties of their respective radiation. Lectures. References: Rutherford's *Radioactivity,* Makower's *Radioactive Substances,* and current literature. *Three periods;* (1½). Dr. Taylor

Prerequisite: A course in general physics.

*S 24b. Radioactivity.—Observation of the nature and properties of the radiations given out by radioactive substances that are discussed in S 24a. Whenever possible this course should be taken in conjunction with S 24a. Laboratory. Text: McClung's *Conduction of Electricity through Gases and Radioactivity. Two two-hour periods;* (1). Dr. Taylor

Prerequisite: See Instructor.

*S 4. Advanced Electrical and Magnetic Measurements.—Laboratory; discussion; recitations. Text: Carhart and Patterson's *Electricity and Magnetism. Three three-hour periods;* (1½).

Dr. Williams

Prerequisite: A course in general physics and calculus.

*S 31. Investigation of Special Problems.—Advanced laboratory. A problem is chosen and worked out with the advice and direction of the instructor. (May be counted for graduate credit.) *Arrange.*

Assistant Professor Watson, Dr. Taylor, Dr. Williams

*S 33. Seminar and Thesis.—(Primarily for graduate students). *Arrange.*

Assistant Professor Watson, Dr. Taylor, Dr. Williams

PHYSIOGRAPHY

S 1. Course for Teachers.—Physiographic forces and the common topographic forms which they have produced. (Designed especially for those who are teaching in the secondary schools.) Lectures; field trips; laboratory. Laboratory fee, $1. Text: Salisbury's *Advanced Physiography. Three lecture, two laboratory, and two field periods;* (4). Mr. Hutton

S 2. Physiography of the United States.—The development of the principal physiographic regions of the United States and the influence of the stage of physiographic development upon the inhabitants. Lectures; laboratory. Laboratory fee, $1. *Three lecture and two laboratory periods;* (2½). Mr. Hutton

Prerequisite: An elementary course in Physiography.

POLITICAL SCIENCE

Professor GARNER

S 1. AMERICAN STATE GOVERNMENT.—The place of the state in the American federal system; constitutional rights and obligations of the states; distribution of powers between the states and the national government; state constitutions; the formation of states and methods of admission to the Union; the organization of state government; the executive, legislative, and judiciary; administration of state institutions. *Daily;* (2½). Professor GARNER

PSYCHOLOGY

(See EDUCATION AND PSYCHOLOGY.)

RHETORIC

(See also ENGLISH.)

Mr. HALLIDAY, Mr. WARNOCK, Mr. TIEJE, Mr. VAN DOREN

S 1a. RHETORIC AND THEMES.—(Equivalent to first semester of Rhetoric 1.) Text: Scott and Denney's *Paragraph-Writing. Daily;* (3). Mr. TIEJE, Mr. VAN DOREN

Prerequisite: Three years at an approved high school.

S 1b. RHETORIC AND THEMES.—(Equivalent to second semester of Rhetoric 1.) Text: Scott and Denney's *Paragraph-Writing. Daily;* (3). Mr. WARNOCK

Prerequisite: Rhetoric 1 or an equivalent.

S 4. THE ART OF DEBATE.—Brief writing and extemporaneous presentation of argument in formal debate. Text: Foster's *Argumentation and Debating. Two periods;* (1). Mr. HALLIDAY

Prerequisite: Rhetoric 1, 7.

S 5. EXTEMPORE SPEAKING.—Platform discussion of current events; practice in after-dinner speaking; impromptu debates. Text: Phillips's *Effective Speaking. Two periods;* (1). Mr. HALLIDAY

Prerequisite: Rhetoric 1.

S 7. PUBLIC SPEAKING.—Vocal, breathing, action, and declamation exercises; supplemented by text-book and individual instruction. Text: Phillips's *Natural Drills in Expression. Four periods;* (1). Mr. HALLIDAY

Prerequisite: Three years at an approved high school.

ROMANCE LANGUAGES

FRENCH

Associate Professor Carnahan, Mr. Hendrix

S 1. Beginners' Course.—Pronunciation; grammar; composition; reading of easy texts. Texts: Fraser and Squair's *Elementary French Grammar;* Bacon's *Une Semaine à Paris. Nine periods;* (4). Associate Professor Carnahan

S 2. Reading of Modern French.—Rapid reading of modern authors; composition; conversation. Texts: *Everyday French,* Bronson; *Colomba,* Mérimée; *Pêcheur d'Islande,* Loti; *Le Mare au Diable,* George Sand; *Bataille de Dames,* Scribe et Legouvé; *Mademoiselle de la Seiglière,* Sandeau. *Daily;* (2). (Qualified students may arrange for extra credit in this course.) Mr. Hendrix

Prerequisite: French 1, or the equivalent.

S 4. Advanced Composition and Conversation.—*Two periods;* (1). Associate Professor Carnahan

Prerequisite: Two years' university credit in French, or the equivalent.

*S 10. History of French Literature.—Lectures with collateral reading. Text: Kastner and Atkins' *History of French Literature. Two periods;* (1). (Qualified students may arrange for extra credit in this course.) Associate Professor Carnahan

Prerequisite: Two years' university credit in French, or the equivalent.

*S 125. Seminar.—Graduate work in the Romance languages. *Arrange.* Associate Professor Carnahan

SPANISH

S 1. Beginners' Course.—Pronunciation; grammar; composition; reading of easy texts. Text: Giese's *First Spanish Book and Reader. Nine periods;* (4). Mr. Hendrix

SOCIOLOGY

Professor Hayes

*S 1. Principles of Sociology.—The interpretation of the life of a people; their customs and institutions; the development of individuality in society; illustrative application of principles discussed to practical problems in American life. Text: Elwood's *Sociology and Modern Social Problems. Five periods;* (2½).

Professor HAYES

S 5. CHARITIES AND CORRECTIONS.—The causes, prevention, and treatment of poverty and crime. *Five periods;* (2½).

Professor HAYES

ZOOLOGY

Professor GALLOWAY, Mr. LA RUE

S 1. ELEMENTARY GENERAL ZOOLOGY.—General morphology; physiology; ecology; economic relations. (For the general student and teachers in secondary schools.) Lectures; laboratory. Laboratory fee, $2.00. Text: Galloway's *Text Book of Zoology. Three lectures and five laboratory periods;* (4).

Professor GALLOWAY

S 19. TEACHERS' COURSE.—The position of zoology in the educational scheme; methods of teaching; the selection and pedagogical use of zoological materials in different grades of teaching. Lectures; discussions; reports. *Two periods;* (1).

Professor GALLOWAY

S 27. MICROSCOPICAL TECHNIQUE.—Approved methods of preserving and mounting animals for microscopical study; talks and discussions; the choice of methods which can be used to advantage in laboratories with only a moderate equipment; practice in narcotization, killing, fixing, hardening, clearing, infiltrating, embedding in paraffine or celloidin, sectioning, and staining; methods for making both temporary and permanent preparations. Laboratory. Laboratory fee, $2.00. *Six two-hour periods;* (3).

Mr. LA RUE

THE COLLEGE OF LAW

AIM OF THE COLLEGE

It is the aim of the College to furnish its students with such a training as will best fit them for the practice of the law. A mere knowledge of what the law is will not suffice. The student must learn the reasons which have made it what it is. These can be mastered only by studying the law in the light of its historical development. No special course is offered on the history of the law; but it is sought to present each subject so that the principles peculiar to it may be historically understood. It is also the aim of the College that the courses shall be so presented as to familiarize the student with legal methods of reasoning and to equip him with legal habits of thought. It is believed that the case method of instruction, properly understood and applied, is best adapted to accomplish these objects.

ADMISSION

GENERAL REQUIREMENTS

For the general statement of the entrance requirements of the University in force for 1911-12, see page 85.

SPECIAL REQUIREMENTS

With the exception of special students as defined below, applicants for admission to the College of Law must have obtained credits for one year's work in another college of this University or of some other institution of recognized standing; provided, however, that an applicant who lacks not more than four semester hours of such credit may be admitted on condition of making up the deficiency before beginning the second year of law study.

ADVANCED STANDING

The following classes of persons, who have complied with the above requirements, are admitted to advanced standing:

1. Persons who produce from another law school, in good stand-

ing, certificates of having satisfactorily pursued courses in law, included in the following schedule, and of having received credit therein; *provided* that the time spent on such courses is equivalent to the time spent on the same courses in this College. Otherwise, an examination on such courses, given by the instructors in this College, must be satisfactorily passed.

2. Persons who have studied law privately, or in an attorney's office, and who pass examinations prescribed by the faculty of the College, in subjects amounting to not more than one year's work,—*provided* such examinations be taken at the time of admission to the College of Law.

SPECIAL STUDENTS

Students twenty-one years of age, or over, who are not able to satisfy the regular requirements for admission, but who have had a preliminary education which would entitle them to take the Illinois State Bar Examination, may, by permission of the faculty, be admitted without examination as special students, but no such student may be a candidate for a degree. In exceptional cases, other persons may, by permission of the faculty, be admitted as special students.

No one may continue as a special student for more than two years except by special permission of the faculty, application for which should be made through the Dean.

INSTRUCTION.

Courses in substantive law are taught by analyzing and comparing cases which have been carefully selected and arranged in case books. References, however, are constantly made to leading text books, and they are recommended and in certain courses required for collateral reading.

The instruction gives a thorough training in the common law, which constitutes a proper foundation for the practice of law in any state of the Union.

Courses in the law of procedure are taught from the leading text books, supplemented by the examination of statutes and adjudged cases, and students are brought into as close touch as possible with actual practice, both by the method of instruction in these courses and by means of the Moot Court.

The faculty of the College is impressed with the idea that a state university should teach the law of the state which supports the school, and to that end, while the study of the general principles that lie at the foundation of the common law is by no means neglected, especial attention is given in all courses to grounding the student thoroughly in the law as determined by the courts of Illinois. Throughout the entire course, the students are required to consult frequently Illinois decisions and statutes, which are made the basis of discussion in class by students and instructor. In the Moot Court and through the course in Illinois procedure, especial attention is paid to the rules of pleading and practice that obtain in the State of Illinois.

MOOT COURT

The sessions of the Moot Court are held every Monday afternoon of the first semester for the third year class; every Tuesday afternoon of the first semester for the second year class; and every Monday afternoon of the second semester for the second and third year classes together. The Court is presided over by the Dean, who has had an experience of twenty-five years as a judge of the Circuit and Appellate Courts of Illinois. Attendance is compulsory with second and third year classes. It is the purpose to have the workings of the Moot Court parallel proceedings in the various courts of the State. Students are trained in the preparation of legal documents and in the trial of cases, both civil and criminal.

The Moot Court Bulletin is published every other week of the college year, and in this are printed the statements of cases, the briefs of opposing counsel, and the opinions of the presiding judge.

SPECIAL LECTURES

Addresses by prominent members of the bench and bar on practical features of the law are given from time to time during the year.

In 1910-11 a course of such lectures was given on the subject "Uniform State Laws," by William Nathan MacChesney, A.B., LL.B., of the Chicago Bar.

THE LAW LIBRARY

The Law Library contains 13,000 volumes, including all the reports of the courts of last resort of all the states; the United States Supreme, Circuit, and District Court reports; the English reports; the statutes of the various states; digests of the state reports; several sets of special reports, such as the American Reports, American State Reports, American Decisions, and Lawyers' Reports Annotated; all the great Encyclopedias and Digests; and a carefully selected collection of text books and legal periodicals.

The library is growing rapidly, new sets of reports and new digests, text books, and periodicals being continually added, together with the continuations of the reports and periodicals already in the library.

REQUIREMENTS FOR GRADUATION AND DEGREES

DEGREE OF BACHELOR OF LAWS

The degree of Bachelor of Laws will be granted to all regularly matriculated students who complete all the courses in the first year list; courses 8, 10, 11, 12, 18, 20, 26 (second year); courses 4a, 15, 17, 19, 21, 22, 26 (third year); and enough of the other courses offered to make 84 hours of credit.

DEGREE OF DOCTOR OF LAW

The degree of Doctor of Law (J. D.) will be granted to students who comply with the following conditions:

1. Complete the work required for the degree of Bachelor of Laws.

2. Secure a bachelor's degree in arts or science at least two academic years prior to the completion of the course for the degree of Doctor of Law.

3. Obtain a minimum average grade of 85 in the College of Law.

4. Present a thesis approved by the faculty of the College of Law, in accordance with the requirement hereinafter set out.

Students who receive the A.B. degree after registering in the College of Law, and, by counting courses in law toward both the degree of A.B. and the degree of LL.B., take both degrees in six years, must during the first year in the College of Law take six hours in political or social science.

Rules concerning Theses

The following are the rules concerning theses presented for the degree of Doctor of Law: 1. The thesis must be on a subject approved by the Dean of the College of Law after consultation with him as to the proposed method of treatment. 2. The subject of the thesis must be filed with the Secretary on or before December 20. 3. The thesis must be typewritten on paper 8½ x 11 inches, with at least one inch margin at the top, bottom, and sides. 4. It should contain not less than 4,000 nor more than 10,000 words. 5. In citing cases, names of parties, volume, page, and year should be given. Citations are not to be counted in determining the number of words. The student is expected to exhaust the cases decided during the period covered by his thesis, and to state the period for which the cases have been examined. 6. The thesis must be delivered to the Secretary of the faculty not later than May 1.

The thesis may then be returned to the writer for revision, or it may if unsatisfactory be rejected altogether. If returned for revision it may be rejected after being revised. If accepted, it will be filed in the Law Library, and may be published by the College of Law or by the University.

CERTIFICATE FOR ADMISSION TO THE ILLINOIS STATE BAR EXAMINATION

Any student, although not a candidate for a law degree, is, if he has taken the following courses: 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 18, 20, 26 (2nd and 3rd year), 4a, 15, 17, 19, 21, and 22, entitled to a certificate thereof from the University, which certificate satisfies the requirements as to legal studies of RULE 39 of the Supreme Court of the State of Illinois, relative to admission to the bar.

As to other requirements for admission to the bar in the State of Illinois, see RULE 39, *in volume 204 of the Illinois Reports, at page 20.*

Course Leading to the Degree of LL. B.

FIRST YEAR

FIRST SEMESTER: Contracts (Law 1); Torts (Law 2); Criminal Law (Law 5); Personal Property (Law 6).

SECOND SEMESTER: Contracts (Law 1); Torts (Law 2); Real Property (Law 3); Common Law Pleading (Law 4); Domestic Relations (Law 7).

SECOND YEAR

FIRST SEMESTER: Evidence (Law 8); Real Property (Law 10); Agency (Law 11); Equity (Law 12); Damages (Law 13); Moot Court (Law 26); Public International Law (Law 30).

SECOND SEMESTER: Evidence (Law 8); Equity (Law 12); Wills (Law 18); Equity Pleading (Law 20); Moot Court (Law 26); Sales (Law 9); Carriers (Law 14); Future Interests in Property (Law 27); Insurance (Law 28); Conveyancing (Law 29); Quasi-Contracts (Law 32).

THIRD YEAR

FIRST SEMESTER: Illinois Procedure (Law 4a); Bills and Notes (Law 15); Private Corporations (Law 17); Partnership (Law 19); Constitutional Law (a) (Law 22); Moot Court (Law 26); Municipal Corporations (Law 24).

SECOND SEMESTER: Private Corporations (Law 17); Suretyship (Law 21); Constitutional Law (b) (Law 33); Moot Court (Law 26); Mortgages (Law 23); Bankruptcy (Law 25); Conflict of Laws (Law 31).

PRIVILEGES OF STUDENTS

The students of the College of Law may take, without extra fee, courses of study in other departments of the University, provided they secure the approval of the Dean of the College of Law. Especial attention is called to the courses in public speaking and debate, and to the courses in history, economics, and political science in the College of Literature and Arts and the Graduate School.

Law students are entitled to library privileges in the general library as well as in the law library, and possess in general all the rights and privileges enjoyed by other students of the University.

LAW CLUBS

The law students have organized voluntary associations for the discussion of interesting and important questions of law, and for the trial of hypothetical cases of their own choice. Four of these societies are active at present. They are known as the Van Twiller, Witenagemot, John Marshall, and Fuller club courts.

SCHOLARSHIP PRIZES

Eight scholarship prizes are open to matriculated students of the first and second years, to be awarded at the end of each year, four of $50 each and four of $25 each.

THE COLLEGE OF MEDICINE

For the Faculty of the College of Medicine, see page 44.

HISTORY

The College of Medicine (College of Physicians and Surgeons of Chicago) is located on the corner of Congress and Honore streets, Chicago, in the heart of the medical quarter of the city. It was founded in the year 1882. In 1892 the College erected a laboratory building, the first building exclusively for laboratory purposes erected by any medical institution in the West. It became the Medical Department of the University in April, 1897.

BUILDINGS AND EQUIPMENT

The College buildings occupy three-fourths of a city block lying between Harrison, Congress, Honore, and Lincoln streets. The main building, in which are housed all the departments, except that of anatomy, is a brick and stone structure two hundred feet long by one hundred and ten feet deep, and five stories high. It fronts on four streets, and is freely supplied with air and light. This building contains three large lecture rooms; a clinical amphitheater, modeled on modern plans for complete asepsis; an assembly hall; besides recitation rooms. It also contains special laboratories for physiology, chemistry, materia medica, therapeutics, and microscopical and chemical diagnosis.

A three-story annex to the main building contains the laboratories used by the departments of biology, histology, embryology, pathology, bacteriology, and chemistry. All of these laboratories have unobstructed outside light. They are furnished with work tables, desks, and lockers, and are equipped with modern apparatus. There is a supply of microscopes and lenses, including oil immersions, and a projection apparatus for the illustration of lectures in pathology and other subjects by means of stereopticon views.

CLINICAL FACILITIES

Dispensary Clinics

The Dispensary occupies the first floor of the main building. Connected with the reception room are ten clinic rooms in daily use for the purpose of clinical instruction. During the past year there have been treated in these rooms 23,000 patients.

During the junior year each student is required to take a course of instruction in each department under the direction of members of the Faculty. The student has opportunity to examine and treat the patient under the guidance of the teachers, and thus acquires practical experience.

Amphitheater Clinics

More than 600 clinics besides the dispensary clinics are given in the College during the collegiate year. Practically all diseases seen in the temperate zone are demonstrated and all of the operations of surgery are done in these clinics.

Senior students are required to examine and diagnosticate many of these cases and are detailed to assist in the operations. Senior students are also appointed as internes for fixed periods.

Maternity Clinics

To provide clinical material for the practical instruction of students in obstetrics the College contributes to the support of obstetrical wards in the University and West Side hospitals. Daily clinics are held by members of the staff of the department, in which the management of gravidae, puerperae, and newborn infants is demonstrated. All senior students are required to attend these clinics in sections. Opportunity is also given special students to attend cases of labor in the hospital.

All fourth-year students are also required to take a course of two weeks in residence in the Chicago Lying-In Hospital and Dispensary, which is now under the direction of the Obstetrical Department of the College of Medicine.

The Dispensary, situated in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. A physician, a student, and a nurse are sent to the home of the patient and care for her during labor like a private patient. The student and the nurse visit mother and babe daily for ten days afterward. In this service the students learn to provide the necessary obstetrical outfit and to deal with patients in their homes.

Pathological cases in the Dispensary are cared for in the home or in the hospital of the institution or in one of the hospitals with which the staff are connected.

The fee for the course is $15.00, payable in advance at the hospital.

In the senior year, attention is given chiefly to pathological conditions and obstetric operations. Instruction is given by lectures, quizzes, exercises on the manikin, the study of pathological specimens, and by required attendance upon hospital clinics in the University and West Side hospitals and two weeks' attendance in residence in the Chicago Lying-In Hospital and Dispensary.

Hospital Clinics

The West Side Hospital is connected with the College by a corridor. It is a five-story building, 50 x 100 feet square, containing 95 beds.

The University Hospital, at Ogden avenue, Congress and Lincoln streets, opposite the College, is a five-story building of fireproof construction containing 92 beds, two operating rooms, and a clinical amphitheater of seventy-five seats on the first floor.

These institutions are intimately related to the College, and certain clinical facilities, furnished by them, are open to its students.

Within half a block of the College is the Cook County Hospital. This institution is the chief free hospital in Chicago. During the past year it has cared for 35,000 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made by the Civil Service Board each year. The internes, sixty-four in number, and externes are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months, and receive their board and laundry and have rooms in the hospital. They do a large amount of surgical, medical, and obstetrical work. These positions are justly looked upon as the greatest medical prizes the city affords to young physicians.

In addition to Cook County Hospital, there are more than sixty public and private hospitals in Chicago. Each of these hospitals appoints from two to four internes annually.

The students of this College are required to attend the clinics of the Cook County Hospital during their junior and senior years.

The hospital tickets cost $5.00 each, and are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures in the hospital grounds.

The County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital. The students are required to attend during two years.

Members of the faculty are connected with and give clinical instruction, to which students are admitted under certain conditions, in the following hospitals:

Cook County Hospital
West Side Hospital
University Hospital
Augustana Hospital
St. Mary's Hospital
Baptist Hospital
St. Anne's Hospital
Alexian Brothers' Hospital
Illinois Charitable Eye and Ear Infirmary
Norwegian Deaconess Hospital
Tabitha Hospital

Extra Mural Clinics

Arrangements exist with several hospitals whereby the senior students are permitted to attend both amphitheater and dispensary clinics in groups of from six to twenty-four. Attendance upon these clinics is elective, but is accepted upon certain conditions in lieu of attendance upon registered clinics; such conditions will be defined by the Secretary. Arrangements have also been made whereby bedside instruction may be given in sections.

Opportunities are offered for externe service (practically the work of junior interne) for senior students whose didactic work does not conflict.

QUINE LIBRARY

The library, which is located in the College building, ranks second in size among the medical libraries of Chicago. It was named in honor of the present Dean of the institution. The bound volumes number more than 13,500, and include most of the important text-books and monographs on medical subjects in the English language. One hundred and twenty medical periodicals are received regularly. This collection of books and periodicals is systematically classified and catalogued by a trained librarian, who is constantly present to assist and instruct students in the correct and independent use of a technical library.

ADMISSION

For a statement of the general entrance requirements of the University, see pages 85-106.

Applicants for admission to the College of Medicine must offer 15 units[1] of high school or other preparatory work. These 15 units must include:

I. Five units (known as "List A") *prescribed* for admission by all the Colleges of the University of Illinois:

List A

English composition	1 unit
English literature	2 units
Algebra	1 unit
Plane geometry	1 unit

II. Four units *prescribed, in addition,* for admission to the College of Medicine:

Special Prescriptions by the College of Medicine

Foreign language (Latin, French, or German accepted, Latin preferred; *both units must be in the same language.*)	2 units
History	1 unit
Physics	1 unit

III. Six units of *electives* chosen from Lists B and C, pages 86, 87. *Not more than 3 units may be offered from List C.*

ADMISSION BY EXAMINATION

Entrance examinations will be held at the University in Urbana, and also at the College of Medicine, on the corner of Congress and Honore streets, Chicago, in September, 1912. Both sets of examinations will be conducted by the Registrar of the University.

For a description of the ground covered by the examinations in the several subjects, see pages 88-96.

Programs of these examinations may be had by applying to the Secretary of the College of Medicine, Chicago, or to the Registrar of the University, Urbana, Illinois.

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[1] For a definition of the term "unit," see page 85, footnote.

ADMISSION BY CERTIFICATE

Entrance credits will be accepted on certificate from the sources outlined on page 99.

Deficiencies in credentials must be made good by examination before a student may be received. *No entrance "conditions"* are permitted.

Applicants for admission coming from institutions of higher learning, whether candidates for the freshman class or for advanced standing, must present entrance credentials or pass examinations as above.

ADMISSION AS SPECIAL STUDENTS

The general rule of the University will apply to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree,* may, on special approval of the Dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in the Medical College of Class A in the list of the American Medical Association, and in the Colleges of the Association of American Medical Colleges, in so far as this work coincides with, or is the full equivalent of, the courses prescribed by the University, and will accept scholarship and time credits from no other schools. *Students thus advanced may not complain of any conflict of hours, nor absent themselves from any part of the lower conflicting course;* but they may make up deficiencies in the work of one term in any other term in which such work is offered.

Physicians who have been graduated from medical schools recognized at the time of graduation by the boards of health of the states in which they are located, who have passed state board examinations, who have been in active practice for not less than five years, and who are in good standing in the medical societies of their cities or counties, may be admitted to the senior class. Official credentials covering all the conditions named must be furnished in advance.

REGISTRATION

Students are required to register in the office of the Secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which the students are registered. Students will be registered in the order in which their fees are paid.

TERMS

The collegiate year is divided into two terms, called respectively the winter and the summer term.

The *winter* term consists of a session of thirty-six weeks beginning September 26, 1911, and ending June 4, 1912, at which time degrees will be conferred. Attendance upon the full winter term is required, in order to secure credit for a year's work, and attendance upon four winter terms is required for graduation.

The *summer* term consists of a session of twelve weeks. The schedule for the summer term can be had upon application. This course, which is open to both graduates and undergraduates, affords opportunities for work along special lines. Undergraduates who attend it will receive credit for the same, either toward making up any study in which they are deficient, or as a credit toward the work of the next winter session, except in the studies of the senior year, which will be final only for those who have taken a previous course of instruction in those studies. Summer students are given scholarship credit, but the time spent does not apply on the required attendance for graduation.

FEES AND EXPENSES

For a statement of fees, see page 125.

The expense of living in Chicago is less than in most other large cities. From twenty-five to thirty-five dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $15.00 and $25.00 a year. The professors, at the beginning of each course, instruct their students in regard to the purchase of textbooks.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of eight years—four years in the College of

Science in Urbana, leading to the degree of Bachelor of Arts, followed by four years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This plan not only gives a liberal course of study and a medical course as well, but offers special opportunities in the last two years of the medical course for specializing in chosen lines. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. A course of six years—the three years of the premedical course in the College of Science in Urbana (see page 157) followed by three years in the College of Medicine in Chicago. For the satisfactory completion of this course, the University confers two degrees—that of Bachelor of Arts at the end of the fourth year, and that of Doctor of Medicine at the end of the sixth year. It is recommended to all candidates for the medical profession who cannot spare the time for the preceding course.

3. The four-year course as offered in the College of Medicine, leading to the degree of Doctor of Medicine.

REQUIREMENTS FOR GRADUATION

1. Satisfactory evidence of good moral character. 2. Attenddance during four collegiate years, the last of which must have been in this institution, and the completion of the required work of each year. 3. Satisfactory deportment. 4. Payment in full of all fees.

GENERAL PLAN OF INSTRUCTION

The curriculum required for graduation extends over four years. During the first two years the work is largely confined to the sciences fundamental to practical medicine, and the time of the student is about equally divided between didactic and laboratory instruction. During the freshman year this consists of work in anatomy, biology, histology, embryology, physiology, chemistry, pharmacy, and bacteriology. During the sophomore year the study of anatomy, physiology and chemistry is continued, and in addition the student takes up therapeutics, pathology, and autopsies.

This plan contemplates the freest use of laboratory teaching. Wherever possible, practical laboratory work is made to supplement didactic teaching. Students are not only taught from prepared specimens, but they are required to prepare their own specimens from the original material.

During the junor and senior years the time is devoted to practical medicine and surgery, and is about equally divided between didactic and clinical instruction.

Attendance upon clinics is required and students are graded upon and given credit for their work in the clinical courses, just as they are for the work in the didactic and laboratory courses. The students of the junior year are divided into classes for dispensary work, and these classes have instruction in rotation in the various departments of practical medicine and surgery.

DESCRIPTION OF COURSES

NOTE.—The semester in which each course is given, and the number of hours per week and per semester devoted to it, are shown at the end of the description of the course, for example: I, II; lec. and rec., 4-114; lab., 4-144. The Roman numerals indicate semesters; the Arabic numeral preceding the hyphen the number of hours per week; and the Arabic numeral following the hyphen the number of hours per semester.

FRESHMAN YEAR

1. Human Anatomy.—Osteology; myology; arthrology; angiology (including the heart); phlebology; neurology; the respiratory and alimentary systems. Gray's *Anatomy* (2nd Am. ed.); Cunningham; Morris; Spalteholtz; Sobotta & McMurrich's *Anatomical Atlases;* Santee's *Brain and Spinal Cord;* Barker's *Anatomic Nomenclature* (BNA). *I, II;* lec. and rec., 4-144; lab., 4-144.

Professor Borland

2. Biology.—*One semester;* lec. and rec., 1-18; lab., 1-18.

Professor Wynekoop

3. Histology and Embryology.—Bailey; Stoehr; Shafer; Heisler; Bailey & Miller. *I, II;* lec. 3-108; lab. 4-144.

Professor Wynekoop, Dr. L. L. Wynekoop, Dr. F. M. Horstman

4. Physiology.—The blood; lymph; muscle; nerves. Experiments and demonstrations. Howell's *Textbook of Physiology;* Tiegerstedt; Stewart; Hall. *One semester;* lec., 3-54..

Professor Dreyer

5. General Chemistry.—Remsen; Simon; Holland; Jones. *I, II;* lec. and rec., 4-144; lab., 6-216. Professor Hawthorne

6. Prescription Writing and Pharmacy.—Weights and meas-

ures; the preparation of galenicals; their incompatibles; the principles of prescription writing; specimen pharmaceutical preparations made by the student; individual drill in writing prescriptions. Fantus; *Prescription Writing and Pharmacy. One semester;* lec. and rec., 1-18; lab., 1-18. Dr. HASKELL, Dr. IRISH, Dr. LORCH

7. BACTERIOLOGY.—Methods of cultivation of bacteria; identification of species; ten non-pathogenic and ten pathogenic bacteria. Zapffe; Abbott; reference: Chester; McFarland. *One semester;* lec., 2-36; lab., 6-108. Professor GEHRMANN

*SOPHOMORE YEAR

1. HUMAN ANATOMY.—Dissection: head; neck, trunk; thoracic and abdominal organs; the genitalia; perineum; peripheral nervous system; the human brain and spinal chord. Study: the neurone and its supporting tissue; histological sections of all parts of the nervous system. Lectures and demonstrations: the organs of respiration, circulation, and digestion; the ductless glands; genito-urinary organs; organs of the senses; the central and sympathetic nervous systems. Morris's *Human Anatomy,* (4th ed.); Cunningham; Piersol; Gray; Santee's *Brain and Spinal Chord;* Cunningham's *Practical Anatomy;* Spalteholz; Barker's BNA. *I, II;* dem. and quiz., 3-108; lab., 4-144. Professor BORLAND

2. PHYSIOLOGY.—Circulation; respiration; secretion; digestion; nutrition; the special senses; the nervous system. Laboratory: normal haematology; the physiology of muscle and nerve; the organs of circulation and respiration. Experiments on man capable of direct clinical application introduced wherever possible; each student expected to perform at least two blood-pressure experiments on the mammal with the endless roll kymograph, under the direct supervision of an instructor. Howell's *Textbook of Physiology;* Tigerstedt; Stewart; Hall. *I;* lec., 4-72; lab., 3-54; *II;* lec., 3-54; lab., 3-54. Professor DREYER

3. PHYSIOLOGICAL AND PATHOLOGICAL CHEMISTRY AND TOXICOLOGY.—Alimentary principles and foods; digestive secretions and their actions; solid tissues; blood; milk; urine; identification of poisons. Hawk; Hammersten; Simon, *I, II;* lec. and rec., 3-108; lab., 3-108. Professor DREYER

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* For explanation of abbreviations and description of courses, see note on page 265 following "Description of Courses."

4. Pharmacology and Therapeutics.—The action and uses of medicines; the symptoms, morbid anatomy, and treatment of poisoning. Hydrotherapy; electrotherapy; mechanotherapy; dietetics; climatology. Cushny; Sollmann; Baruch; Hutchinson; Morton; Cohen's *System* (selected vols.). *I, II,* lec. and rec., 5-180; lab. 64.
Professor Fantus, Dr. Haskell, Dr. Irish, Dr. Lorch, Dr. Treadwell.

5. General Pathology and Pathological Anatomy.—Delafield and Prudden. *I, II;* lec., 2-72; lab., 4-144.
Associate Professor O'Byrne

6. Autopsies.—*II;* 2-36. Associate Professor O'Byrne

*JUNIOR YEAR

1. Practice of Medicine.—Infectious diseases and intoxicants. Constitutional diseases and diseases of the kidneys. Diseases of the digestive organs. Diseases of the nervous system. French. *I, II;* rec., 6-216.
Head Instructor E. L. Heintz, Dr. Hayhurst, Dr. Murphy, Dr. McNealy, Dr. Smejkal, Dr. Musselman, Dr. Corcoran, Dr. McKee

2. Physical Diagnosis.—Lectures; personal training; practice in the Dispensary. Da Costa. *I;* 36.
Professor Corwin, Professor Wiggin

3. Dermatology.—Pusey. *I;* lec., 2-36.
Professor Pusey, Assistant Professor Harris, Dr. Stillians

4. Practice of Surgery.—DaCosta's *Modern Surgery. I, II;* rec., 3-108.
Assistant Professor Humiston, Adjunct Professor O'Byrne, Dr. Moore, Dr. Dyas, Dr. Harger

5. Orthopedic Surgery.—Bradford and Lovett; Whitman. *I;* lec., 1-18. Professor Porter

6. Operative Surgery.—Trevis; Bryant; Bickham; Wharton and Ochsner. *I;* lec., 2-36. Professor Fuller, Dr. Yerger

7. Surgical Pathology.—Beck. *I or II;* lab., 2-36.
Professor Beck

8. Laryngology, Rhinology, and Otology.—Ballenger. *One semester;* lec., 1-18. Professor Ballenger

9. Obstetrics.—The physiology of pregnancy, labor, and the

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* For explanation of abbreviations and description of courses, see note on page 265 following "Description of Courses."

puerperium. Bedside instruction at the West Side Hospital. Bacon's *Synopsis*, Edgar; Williams; Hirst; Peterson. *I;* rec., 2-36.
Professor YARROS

10. MICROSCOPICAL AND CHEMICAL DIAGNOSIS.—Supplementary to the regular work, students are required to do practical work in M. and C. diagnosis in the Dispensary. *I or II;* lec. and quiz., 1-18; lab., 10-30. Professor GARDNER, Assistant Professor HAYHURST

11. MEDICAL JURISPRUDENCE.—Reese. *II;* lec., 1-18.
Professor BROTHERS, Associate Professor MILLS

12. DISPENSARY CLINICS*.—*One semester;* 12-216.

13. MEDICAL CLINIC.—*I, II;* 1-36. Professor WELLS

14. MEDICAL CLINIC.—*I, II;* 1-36. Professor GOODKIND

15. MEDICAL CLINIC.—*I, II;* 1-36. Professor FANTUS

16. MEDICAL CLINIC.—*I, II;* 1-36.
Associate Clinical Professor MICHEL, *Extra Mural*

17. NEUROLOGICAL CLINIC.—*I, II;* 1-36.
Assistant Professor H. I. DAVIS

18. DERMATOLOGICAL CLINIC.—*I, II;* 1-36. Professor PUSEY

19. SURGICAL CLINIC.—*I, II;* 2-72. Professor EISENDRATH

20. SURGICAL CLINIC.—*I, II;* 1-36. Professor EISENDRATH

21. SURGICAL CLINIC.—*I, II;* 1-36. Adjunct Professor HEINECK

22. SURGICAL CLINIC (Orthopedic).—*I, II;* 1-36.
Professor PORTER

23. SURGICAL CLINIC.—*I, II;* 1-36. Professor BECK

24. SURGICAL CLINIC.—*I, II;* 2-72. Assistant Professor HUMISTON

25. LARYNGOLOGICAL CLINIC.—*I, II;* 2-72. Professor BALLENGER

26. LARYNGOLOGICAL CLINIC.—*I, II;* 2-72.
Associate Professor BROWN

28. GYNECOLOGICAL CLINIC.—*I, II;* 2-72. Professor VAN HOOSEN

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* The Dispensary is divided into ten departments.

During the junior year each student is required to attend the Dispensary two hours daily for one semester, during which time he takes a course of instruction in each of these departments.

The time is equally divided between the departments.

The two-hour period in Dispensary is estimated equal to one hour of didactic work.

*SENIOR YEAR

1. PRACTICE OF MEDICINE.—Osler's *Modern Medicine;* French. *I, II;* lec. and rec., 5-180.
Professor QUINE, Professor WILLIAMSON

2. NEUROLOGY.—Gowers. *I;* lec. and rec., 4-72.
Professor KING

3. PSYCHIATRY.—Defendorf. *I;* lec., 2-36.
Professor KING, Dr. DARLING

4. DISEASES OF THE CHEST.—On the lungs, Lindsay. On the heart and arterial system, Colbeck. *I;* lec. and rec., 3-54.
Professor TICE

5. PEDIATRICS.—Holt; Chapin and Pizek; Cotton. *I;* lec., 3-54.
Professor FRANK B. EARLE, Assistant Professor BENSON

6. PRACTICE OF SURGERY.—*I, II;* lec., 2-72. Lectures:

Surgery of the Head, Professor DAVIS

Surgery of the Neck, Professor OCHSNER

Surgery of the Thorax, Professor HARSHA

Surgery of the Upper Abdomen, Professor STEELE

Surgery of the Lower Abdomen, Professor DAVISON

Surgery of the Genito-Urinary Organs, Professor LYDSTON

Surgery of the Extremities and Anesthesia, Professor EISENDRATH

7. GENITO-URINARY SURGERY AND VENEREAL DISEASES.—Lydston. *II;* lec., 1-18. Professor LYDSTON

8. OPHTHALMOLOGY.—Fuchs; Fox; De Schweinitz; May; Jackson. *I;* lec., 1-18.
Professor HARPER, Professor GAMBLE, Professor LORING, Associate Professor FINDLAY

9. OBSTETRICS.—Pathological conditions and obstetric operations; exercises on the manikin; pathological specimens; hospital clinics in the West Side and University hospitals; two weeks in residence at the Chicago Lying-in Hospital and Dispensary. Bacon's *Synopsis;* Williams; Edgar; Hirst; Peterson. *I, II;* lec., dem., and quiz., 2-72.
Professor BACON, Assistant Professor BACHELLE, Assistant Professor HOLLENBECK, Dr. ROHRLACK

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* For explanation of abbreviations and description of courses, see note on page 265 following "Description of Courses."

10. GYNECOLOGY.—Byford; Penrose; Reed; Clarke's *Gynecological Diagnosis. II;* lec., 2-36. Professor BARRETT

11. HYGIENE.—Bergey; Harrington; McFarland; Park. *II;* lec., 2-36. Professor GEHRMANN

12. AUTOPSIES.—*I;* 2-36. Associate Professor O'BYRNE

13. DISPENSARY CLINICS.—Optional.

14. MEDICAL CLINIC.—*I, II;* 1-36. Professor WELLS

15. MEDICAL CLINIC.—*I, II;* 2-72. Professor WILLIAMSON

16. MEDICAL CLINIC.—*I, II;* 1-36. Professor WILLIAMSON

17. MEDICAL CLINIC.—*I, II;* 1-36. Professor GOODKIND

18. MEDICAL CLINIC.—*I, II;* 1-36. Professor TICE

19. MEDICAL CLINIC.—*I, II;* 1-36. Professor PATTON

20. NEUROLOGICAL CLINIC.—*I, II;* 1-36. Professor KING

21. NEUROLOGICAL CLINIC.—*I, II;* 1-36. Professor METTLER

22. NEUROLOGICAL CLINIC.—*I, II;* 1-36. Professor H. I. DAVIS

23. PEDIATRIC CLINIC.—*I, II;* 1-36. Professor EARLE, Assistant Professor BENSON

24. PEDIATRIC CLINIC.—*I, II;* 1-36. Dr. FRENCH

26. SURGICAL CLINIC.—*I, II;* 2-72. Professor STEELE

27. SURGICAL CLINIC.—*I;* 1-18. Professor STEELE

28. SURGICAL CLINIC.—*I, II;* 2-72. Professor STEELE

29. SURGICAL CLINIC.—*I, II;* 2-72. Professor DAVIS

30. SURGICAL CLINIC.—*I, II;* 2-72. Professor DAVIS

31. SURGICAL CLINIC.—*I, II;* 2-72. Professor HARSHA

32. SURGICAL CLINIC.—*I, II;* 2-72. Professor OCHSNER

34. SURGICAL CLINIC.—*I, II;* 1-36. Professor DAVISON

35. SURGICAL CLINIC.—*I, II;* 2-72. Professor DAVISON

36. SURGICAL CLINIC (Genito-Urinary).—*I, II;* 1-36. Professor LYDSTON

37. OPHTHALMOLOGICAL CLINIC.—*I, II;* 1-36. Professor HARPER, Professor LORING, Professor GAMBLE, Assistant Professor FINDLAY

39. OPHTHALMOLOGICAL CLINIC.—*I, II;* 1-36. Associate Clinical Professor NOBLE, *Extra Mural*

40. GYNECOLOGICAL CLINIC.—*I, II;* 2-72. Professor BYFORD, Professor BARRETT, Assistant Professor BRUMBACK

TOTAL HOURS OF WORK

Freshman Year

	Didactic	Laboratory
1. Anatomy	144	144
2. Biology	18	36
3. Histology and Embryology	108	144
4. Physiology	54	
5. General Chemistry	144	216
6. Prescription Writing and Pharmacy	18	18
7. Bacteriology	36	108
	522	666

Sophomore Year

	Didactic	Laboratory
1. Anatomy	108	144
2. Physiology	126	108
3. Physiological and Pathological Chemistry and Toxicology	108	108
4. Pharmacology and Therapeutics	180	64
5. Pathology	72	144
6. Autopsies		36
	594	604

Junior Year

Specified Required Subjects	Hours	
1. Medicine	216	
Course A—Infectious Diseases and Intoxicants, 54 hours		
Course B—Constitutional Diseases and Diseases of the Kidney, 54 hours		
Course C—Diseases of the Digestive Organs, 54 hours		
Course D—Diseases of the Nervous System, 54 hours		
2. Physical Diagnosis	36	
3. Dermatology	36	
4. Surgery	108	
5. Surgical Pathology	36	
6. Laryngology, Rhinology, and Otology	18	
7. Obstetrics	36	
8. M. & C. Diagnosis	48	
9. Medical Jurisprudence	18	
10. Dispensary Clinics	216	
		768

Elective Subjects			Hours
1.	Orthopedic Surgery		18
2.	Operative Surgery		36
3.	Medical Clinic (Wells)	C. C. Hosp.	36
4.	Medical Clinic (Goodkind)	C. C. Hosp.	36
5.	Medical Clinic (Fantus)		36
6.	Medical Clinic (Michel)	W. S. Hosp.	36
7.	Medical Clinic (Heintz)	W. Hosp.	72
8.	Neurological Clinic (H. I. Davis)	C. C. Hosp.	36
9.	Dermatological Clinic (Pusey)	C. C. Hosp.	36
10.	Surgical Clinic (Eisendrath)	C. C. Hosp.	72
11.	Surgical Clinic (Eisendrath)		36
12.	Surgical Clinic (Heineck)	C. C. Hosp.	36
13.	Surgical Clinic—Orthopedic (Porter)	C. C. Hosp.	36
14.	Surgical Clinic (Beck)		36
15.	Surgical Clinic (Humiston)	C. C. Hosp.	36
16.	Laryngological Clinic (Ballenger)		72
17.	Laryngological Clinic (Brown)		72
18.	Laryngological Clinic (Beck)	C. C. Hosp.	36
19.	Gynecological Clinic (Van Hoosen)		72
			—— 846

SENIOR YEAR

Specified Required Subjects		Hours
1.	Medicine	180
2.	Neurology	72
3.	Psychiatry	36
4.	Chest Diseases	54
5.	Pediatrics	54
6.	Surgery	72
7.	Genito-Urinary Surgery and Venereal Diseases	18
8.	Ophthalmology	18
9.	Obstetrics	72
10.	Gynecology	36
11.	Hygiene	36
12.	Autopsies	36
		—— 684

Elective Subjects			Hours
1.	Medical Clinic (Wells)	C. C. Hosp.	36
2.	Medical Clinic (Williamson)		72
3.	Medical Clinic (Williamson)	C. C. Hosp.	36
4.	Medical Clinic (Goodkind)	C. C. Hosp.	36

5.	Medical Clinic (Tice)	C. C. Hosp.	36
6.	Medical Clinic (Patton)	C. C. Hosp.	36
7.	Neurological Clinic (King)		36
8.	Neurological Clinic (Mettler)		36
9.	Neurological Clinic (H. I. Davis)	C. C. Hosp.	36
10.	Pediatric Clinic (Earle, Benson)		36
11.	Pediatric Clinic (Hatfield)		36
12.	Pediatric Clinic (Koehler)		36
13.	Surgical Clinic (Steele)		72
14.	Surgical Clinic (Steele)	C. C. Hosp.	18
15.	Surgical Clinic (Steele)	U. Hosp.	72
16.	Surgical Clinic (Davis)		72
17.	Surgical Clinic (Davis)	C. C. Hosp.	72
18.	Surgical Clinic (Harsha)		72
19.	Surgical Clinic (Ochsner)		72
20.	Surgical Clinic (Brown)		72
21.	Surgical Clinic (Davison)	C. C. Hosp.	36
22.	Surgical Clinic (Davison)	U. Hosp.	72
23.	Surgical Clinic—Genito-Urinary (Lydston)		36
24.	Ophthalmological Clinic (Harper or Loring)		36
25.	Ophthalmological Clinic (Fisher)		36
26.	Ophthalmological Clinic (Gamble)	W. Hosp.	36
27.	Ophthalmological Clinic (Noble)	W. S. Hosp.	36
28.	Gynecological Clinic (Byford)		72
29.	Dispensary Clinics		
			——1,350

SUMMARY

As will be seen from the foregoing tables, the College offers work in the several years as follows: In the *freshmen year,* 522 hours of didactic and 666 hours of laboratory instruction; in the *sophomore year,* 594 hours of didactic and 604 hours of laboratory instruction, *all of which is required;* in the *junior year,* 1,614 hours of didactic and clinical instruction; and in the *senior year,* 2,034 hours of didactic and clinical instruction. In the *junior and senior years,* 1,000 hours of instruction constitute a year's work. Each student is required to take all the "Specified Required Subjects" in his year. In the junior year these subjects amount to 768 hours. The remaining 232 hours he can make up from the "Elective Subjects," exercising to a large extent his own choice in the selection of the subjects which he will take. In the senior year the specified required subjects amount to 684 hours. The remaining 316 hours the student can select from the "Elective Subjects." It is required, however, that in both the junior and senior years he shall include among his elective subjects at least 120 hours of medical clinics and 120 hours of surgical clinics.* At the time of registration the student *is required* to designate the subjects which he elects in order to complete his 1,000 hours, and he will not be enrolled in the classes until his course has been approved by the Secretary. The Secretary has authority to refuse to approve of the course selected by any student when for any reason it seems to him not well selected.

FURTHER INFORMATION

For the special circular of the College of Medicine, address:
The Secretary of the College of Medicine,
Congress and Honore Streets, Chicago.

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* Clinics in Diseases of the Chest, Nervous System, Pediatrics, and Dermatology are classified as medical.

THE COLLEGE OF DENTISTRY

For the faculty of the College of Dentistry, see page 52.

BUILDING AND EQUIPMENT

The College occupies its own building, situated on the corner of Harrison and Honore streets, in Chicago. The building is separated from the adjacent buildings on the north and west by open spaces, so that the provisions for ventilation and especially for light are of the best possible character. It is located directly opposite the Cook County Hospital, in the center of the clinical field of Chicago, which insures at all times an abundance of clinical material. Adjoining the school on the west is the West Side Hospital, and on the north are the buildings of the College of Medicine of the University of Illinois.

The laboratories occupy four floors, and each will accommodate 120 students. They are supplied with microscopes, immersion lenses, microtomes, and all other necessary apparatus, including a projection apparatus for the illustration of lectures with stereopticon views. Electric motors are in use in all laboratories.

The infirmary occupies the entire top floor. It is divided into the operative, prosthetic, and orthodontia sections. These departments are equipped with new chairs of improved pattern, with fountain cuspidors attached, double-decked stands for accommodating students' operating cases, sanitary washbowls with hot and cold water, and formaldehyde instrument sterilizer.

The infirmary has adjacent to it a prosthetic laboratory, in which the students can do their molding, soldering, and fusing. It is provided with compressed air apparatus, electric ovens for porcelain work, and electric lathes.

ADMISSION

For admission to the College of Dentistry the candidate must present a certificate of graduation from an accredited high school, or the equivalent.

This college will receive no student who is not present within ten days after the opening day of the session in each year, except that in case of delay necessitated by illness, as attested by the attending physician, a student may be admited as late as the twentieth day of the session. In no case will students be admitted after the twentieth day.

EXAMINATIONS

Examinations will be held at the College by the Registrar of the University.

For information as to dates apply to the Secretary.

ADMISSION TO ADVANCED STANDING

Persons having qualifications for admission to this college, and having studied dentistry in other schools for at least one year, may be admitted to advanced standing after satisfying the faculty that they have completed an amount of work equivalent to that which is exacted by this college in the respective classes.

Students who have had one or more years in the College of Medicine, or in other medical colleges of equal rank, are allowed credit toward graduation for so much of the required course in dentistry as was included in their medical course. But they must be registered for full time in the dental course.

Graduates of the University with the A.B. or B.S. degree, who have taken the biological and chemical courses of this University, can secure advanced standing in the dental course, providing they have done full work in the science subjects required in the dental curriculum.

Graduates of recognized medical colleges may secure advanced credit for work, and one year of time toward graduation, and are excused from lectures and examinations in general anatomy, chemistry, histology, pathology, and physiology, but are required to take lectures and examinations in dental subjects in accordance with the rules of the National Association of Dental Faculties.

LENGTH OF COURSE

The courses are graded and cover three years of college work. The teaching of one year is not repeated, and the course is progressive, the several classes having separate laboratories and at no time taking lectures or demonstrations together.

If, for any cause, a regular student desires to extend his studies over a period of four or more years, a course of study will be specially arranged for him.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Dental Surgery will be conferred on students who shall have completed the course of instruction, attended the required time, and passed satisfactory final examinations. To be eligible for the degree, the student must be twenty-one years of age, must possess a good moral character, and must have paid all fees.

METHODS OF INSTRUCTION

Instruction is given by means of lectures, recitations, demonstrations, and laboratory work. The time of the student is about equally divided between laboratory and clinical work on the one hand, and lectures and recitations on the other.

Students are admited to the laboratories from the beginning of the first year. The laboratory work is closely correlated with the lectures and clinical studies.

In the clinical work, methods both of investigation and of reasoning are carefully and systematically taught. Diagnosis, prognosis, and indications for treatment receive no less attention than methods of construction and the technique of procedures.

SUMMARY OF COURSE

Freshman Year

Materia Medica.—One lecture a week

Anatomy.—Two lectures a week; dissection of the median half of the human body

Physiology.—To the nervous system. One lecture a week

Histology.—One lecture and two hours of laboratory work a week

Chemistry.—Lectures and laboratory, six hours a week

Operative Technics.—Four half days a week

Prosthetic Technics.—Three half days a week (laboratory)

Dental History.—Ten lectures

Junior Year

Anatomy.—Two lectures a week; dissection of the median half of the human body

PHYSIOLOGY.—The nervous system. One lecture a week

MATERIA MEDICA AND THERAPEUTICS.—One lecture a week

GENERAL PATHOLOGY.—One lecture a week

CHEMISTRY.—Three hours of laboratory a week

HISTOLOGY.—General and Dental. One lecture and two hours of laboratory a week

PROSTHETIC DENTISTRY.—One lecture and two half days of laboratory a week; infirmary practice

ORTHODONTIA.—One lecture a week

ORTHODONTIA TECHNIQUE.—One-half day a week

OPERATIVE DENTISTRY.—Two lectures a week; infirmary practice

COMPARATIVE ANATOMY.—Ten lectures

SENIOR YEAR

DENTAL PATHOLOGY AND THERAPEUTICS.—Two lectures a week

ORAL SURGERY.—One lecture and two hours of clinic a week.

ORTHODONTIA.—One lecture and six hours of clinic a week

DENTAL JURISPRUDENCE AND ETHICS.—Ten lectures

PROSTHETIC DENTISTRY.—One lecture a week; infirmary practice

OPERATIVE DENTISTRY.—Two lectures a week; infirmary practice

BACTERIOLOGY.—One lecture a week

GENERAL ANESTHESIA AND PHYSICAL DIAGNOSIS.—Ten lectures

NEUROLOGY.—Eight lectures

PORCELAIN WORK.—One lecture and one-half day of laboratory a week

FEES

For a statement of the fees, see page 125.

Fees are payable in advance. Students unable to meet these requirements must make satisfactory arrangements with the DEAN *or* ACTUARY at the beginning of the course.

FURTHER INFORMATION

For a special circular giving further information in regard to the College of Dentistry, address

THE DEAN OF THE COLLEGE OF DENTISTRY
Corner Harrison and Honore Streets
Chicago, Illinois

THE SCHOOL OF PHARMACY

For faculty of the School of Pharmacy see page 54.

HISTORY

The School of Pharmacy was originally the Chicago College of Pharmacy and was incorporated under that name September 5, 1859. Prior to that time there were but three schools of pharmacy in the country, and these were located in the eastern states.

While the primary object of the institution was to provide instruction in the science and art of pharmacy, other functions were developed. Thus, a code of ethics was early adopted by the members; successful efforts were made to bring about better relations between pharmacists and physicians; the pioneer pharmaceutical library was established; and for eighten years beginning with 1868 a monthly journal, *The Pharmacist*—the first of its kind in the West—was published.

In October, 1859, the first course of lectures was instituted, occupying three evenings a week for a period of six months. Of the first class, but two students were graduated in 1861. The war caused a suspension of the teaching, and the school was not reopened until 1870. The great fire in 1871 destroyed the equipment, but pharmacists throughout Europe and America extended help to the institution, furnishing a library and an outfit of apparatus, which became the nucleus of the present complete equipment. In 1872 the instruction was resumed for the second time and has since continued without interruption.

In 1880 the members and graduates of the College took an active part in the formation of the Illinois Pharmaceutical Association, which in the following year secured the passage of the pharmacy law.

The twenty-fifth anniversary of the founding of the College was signalized by the removal of the College to a larger building at 465 State street. Up to this time instruction had been given mainly by means of lectures, laboratory work being entirely optional. Laboratory courses in pharmacy, chemistry, and vegetable histology were now made obligatory. A laboratory devoted entirely to prescription compounding was established in 1892.

The College was formally united with the University May 1, 1896, becoming the technical School of Pharmacy of the University of Illinois. In the management of the School, the trustees and officers have the assistance of an advisory board of pharmacists, elected by the registered pharmacists of the State through the Illinois Pharmaceutical Association.

LOCATION

The School of Pharmacy occupies the four upper floors in a building located at Michigan Boulevard and Twelfth Street. The building is a substantial brick structure, five stories in height, with a frontage of fifty feet on Michigan Avenue and one hundred and seventy feet on Twelfth Street.

A half block east of the building is the Illinois Central Depot; and one block west are the Cottage Grove Avenue, Indiana Avenue, and Twelfth Street surface lines, and the Twelfth Street Station of the South Side Elevated Railroad.

On Michigan Avenue, immediately south of the School, are to be found some of the best low-priced boarding and rooming places in the city. Satisfactory accommodations may be readily secured within a short distance of the School.

EQUIPMENT

The east end of the building is occupied by lecture halls, of which there are three, arranged one above the other and having a seating capacity of from one hundred and fifty to three hundred persons.

The laboratories are six in number, including one each for qualitative analysis, quantitative analysis, special work in chemistry, microscopy, manufacturing pharmacy, and dispensing. The total capacity of these laboratories is sufficient for the accommodation of 348 students, working at one time.

There is a supply of compound microscopes, analytical balances, and special apparatus, and there are collections of crude drugs, medicinal plants, chemicals, and pharmaceutical products.

The library contains about two thousand volumes, including, in addition to the usual works of reference, many rare books. Complete files of the leading pharmaceutical journals are an important feature.

COURSES OF INSTRUCTION

For the Degree of Graduate in Pharmacy

In the course leading to the degree of Graduate in Pharmacy the instruction is so arranged as to require the attendance of each student on three days each week and from twenty to twenty-one hours weekly during two annual sessions of thirty weeks each. This arrangement is advantageous to drug clerks who desire to spend a part of their time in drug stores while attending school, thereby adding to their practical experience and at the same time earning a part or all of their living expenses.

The subjects taught are chemistry, general, pharmaceutical, and analytical; pharmacy, theoretical, manufacturing, and dispensing; botany; physiology; and materia medica.

For the Degree of Pharmaceutical Chemist

To meet the demand for special training on the part of students who desire to pursue more extended courses in pharmaceutical chemistry, applied chemistry, and bacteriology, or to prepare themselves for positions under the Food and Drugs Act, this School offers a course leading to the degree of Pharmaceutical Chemist. It comprises two annual sessions of thirty-six weeks each, with instruction on five days each week, amounting to about thirty-three hours weekly, or a total of 2,300 hours in the entire course.

This course is partially concurrent with the shorter course and includes all the didactic instruction given in the latter. It consists largely of laboratory practice. In addition to the subjects mentioned above it embraces organic analysis and proximate assays, new remedies, analysis of urine, food and sanitary analysis, bacteriology, and applied microscopy.

The system of teaching includes lectures, illustrations, demonstrations, recitations, written and oral examinations, and individual practice and personal instruction in the various laboratories, much time being devoted to this important part of the student's work.

ADMISSION

The regular session opens September 17, 1912. The shorter course ends April 24, 1913; the longer course closes June 6, 1913.

Applicants for admission to the course leading to the degree of

Pharmaceutical Chemist must be at least seventeen years of age and must be graduates of accredited high schools or furnish evidence of a preliminary education equivalent thereto.

Applicants for admission to the course leading to the degree of Graduate in Pharmacy must be at least seventeen years of age and must have completed one year of high school work or its full educational equivalent.

The entrance requirements of this school are those adopted by the American Conference of Pharmaceutical Faculties, of which this school is a member.

Students who have pursued courses of study in other colleges of pharmacy will be given credit for such portions of their work as are equivalent to the work required by this college.

GRADUATION

In conformity with the usual custom of pharmaceutical schools, drug store experience is not made a requirement for the degree of Pharmaceutical Chemist. Students who have satisfactorily completed the course will be awarded the degree upon the recommendation of the faculty.

For the degree of Graduate in Pharmacy this School has always required practical drug store experience. The actual time of attendance at the School, amounting to fourteen months, is credited as part of the four years of practical experience required for the degree. Candidates must have attained the age of twenty-one years and have satisfactorily finished the work leading to the degree. Students who have successfully met the scholarship requirement, but are lacking in age or in practical experience, will receive a certificate and will be awarded the diploma when the requirements of age and experience are satisfied.

Persons competent to fulfill the general requirements of admission to the University may be granted credits upon other University courses for equivalent work completed at the School of Pharmacy.

STATE REGISTRATION

To become a registered pharmacist in Illinois, it is necessary to pass an examination before the State Board of Pharmacy, no diplomas being recognized.

The diploma of this School is, however, accepted in lieu of examination for registration in about ten states and territories; and in several other states, including New York and Pennsylvania, where graduation prerequisite laws are in force, this School is among the schools recognized, and its diploma admits to the examination.

The amendments to the Illinois Pharmacy Law, in effect July 1, 1907, give credit, as a part of the "practical experience in compounding drugs" required by the law, for the actual time of attendance at a recognized school of pharmacy but not to exceed two years for registered pharmacist or one year for registered assistant pharmacist.

FEES AND EXPENSES

For a statement of the fees see page 125. Fees are payable in advance. Students unable to meet this requirement must make satisfactory arrangements with the Actuary at the beginning of the course.

Board and Lodging.—Good board and lodging, within a short distance of the School can be had for from four to six dollars per week. This expense may be somewhat reduced by two or more students rooming together. The Actuary keeps a list of suitable boarding and rooming places, with their rates.

Selection of Seats.—Seats in the lecture halls and desks in the laboratories will be assigned to students by the Actuary, in the order of enrollment. To enroll, junior students will fill out the matriculation blank and forward it to the Actuary, together with credentials for admission and the matriculation fee of five dollars; senior students will make a payment on tuition account of five dollars. It is of advantage to students to matriculate early.

Opportunities for Employment.—The Actuary keeps a register of students desiring employment and of pharmacists wishing to employ students. Students desiring employment are invited to correspond wth him.

FURTHER INFORMATION

Further information may be found in the special announcement of this school, which may be obtained from the Actuary, School of Pharmacy, Michigan Avenue and Twelfth Street, Chicago, or the Registrar, University of Illinois, Urbana.

PART III
DESCRIPTION OF COURSES

DESCRIPTION OF COURSES

EXPLANATION

The arrangement of subjects in the following Description of Courses is alphabetical. The connections of allied departments are indicated by cross references.

Following the description of each course of instruction will be found the requirements, if any, for admission to that particular course. The sequence indicated by these prerequisites must be followed. For instance, under Art and Design 5, Painting, there is a prerequisite of Art and Design, 1, 2, and 3. All these subjects must be carried before Course 5 may be taken.

If a course not required for graduation is selected by fewer than five students it may be withdrawn for the semester.

Graduate courses are numbered upward from 100.

Credit is reckoned in *semester hours,* or simply *hours.* An *hour* is either one class period a week for one semester, or the equivalent in laboratory, shop, or drawing room. Graduate work is not recorded in credit hours, nor do the credit hours of undergraduate courses apply to graduate students enrolled in them.

The semester, and the number of *hours* each semester for which the course counts, are shown after each course, thus: *I, II;* (2). The Roman figures indicate semesters, the Arabic numerals in parentheses indicate *hours* of credit for *each semester* for undergraduates.

ACCOUNTANCY 7

(See also ECONOMICS.)

JOHN CHRISTIE DUNCAN, Ph. D., *Assistant Professor*
OSCAR ROSS MARTIN, A. B., *Assistant*

NOTE:—The only courses in accountancy open to students not registered in Business Administration are 1, 10, and 11.

1. PRINCIPLES OF ACCOUNTANCY.—The keeping of accounts of various kinds of business, merchantile, industrial, and financial; accounting for various types of business organization; methods of preparing the industrial and commercial statistics of a plant, for the purpose of making proper deductions as to the efficiency of departments; soundness of business policy. *I, II;* (3). (If elected, this course must be taken through the year.)
Assistant Professor DUNCAN, Mr. MARTIN
Prerequisite: Thirty hours of university work; registration in Economics 1.

2. COST ACCOUNTING.—*II;* (2) Assistant Professor DUNCAN
Prerequisite: Accountancy 1.
[Not given in 1911-12.]

3. INDUSTRIAL ACCOUNTING.—Types of industries; methods of installing acounting systems to suit their technical peculiarities, for the purpose of revealing costs and efficiency in management; the handling of departmental acounts. *I;* (2).
Assistant Professor DUNCAN
Prerequisite: Accountancy 1.

4. ADVANCED ACCOUNTING.—The handling of capital; revenue; dissolution of partnership; realization; liquidation; insolvency; good-will; treatment of bad debts; suspense; maintenance; depreciation; reserves; sinking funds; contingent funds; secret reserves. *II;* (3). Assistant Professor DUNCAN
Prerequisite: Accountancy 1.

5. AUDITING.—The duties and responsibilities of an auditor; kinds of audits; value of each; the auditor's report; what it should contain; his certificate; its value; the preparation of audit reports. (*For students of accountancy only.*) *II;* (2)
Prerequisite: Accountancy 4, 7.
Assistant Professor DUNCAN

~~6. Railroad Accounting.—(*For students of accounting and railway traffic and accounting only.*) *I;* (2).~~
~~*Prerequisite:* Accountancy 4, 7.~~
~~[Not given in 1911-12.]~~
Assistant Professor Duncan

7. Advanced Accounting Problems.—Practical problems; executor accounts; insurance accounts; accounting for municipalities and other public bodies. *I;* (3) Assistant Professor Duncan
Prerequisite: Accountancy 4.

10. Shop Management and Cost Keeping.—Types of industries; how they influence plant layouts; the laborers needed; the materials used; the best types of records suitable for each kind of industry in order to approximate costs of manufacture and to determine and compare the efficiencies of departments, of individual workers, of methods of productions. The work is presented from the standpoint of the engineer and shop manager. *II;* (2).
Assistant Professor Duncan
Prerequisite: Open only to Engineering students who have had Economics 1 or 2.

11. Farm Accounting.—Single and double entry; designing of accounting systems for different kinds of farm operations and for different kinds of farming. *I;* (2). Mr. Martin 7
Prerequisite: Open only to juniors and seniors in the College of Agriculture.

AGRICULTURAL EXTENSION 3

Fred Henry Rankin, *Superintendent, Assistant Professor* ✓
Aretas Wilbur Nolan, A. B., M. S., *Assistant Professor*
Francis Marion Simpson, B. S., *Assistant*

1. Principles and Methods of High School Agriculture.—Features of agricultural science best adapted to high school conditions; the best order and methods for their presentation; suiting the course and instruction to the special interests and needs of each school community; what laboratory work shall be given; what apparatus may be used; what field experiments can be planned and executed. *II;* (5). Assistant Professor Nolan
Prerequisite: Two years' work in agriculture.

2. Elementary Agriculture.—The soil, its origin, nature, functions, properties, and classification; problems of temperature, aera-

tion, control of moisture; enrichment and impoverishment of the soil; the plant, how it feeds and grows, its modes of reproduction; factors in crop production; rotation; value and use of legumes; selection and testing of seed; their types and breeds; care and management; dairying; production of milk; testing and care of milk; farm plans; farm machinery; economics of agriculture. (For students preparing to teach in secondary schools; especially for teachers of science who have had no work in agriculture.) *II;* (5).

Assistant Professor Nolan

3

3. Farmers' Institute Management.—The farmers' institute as a factor in our system of public education; the organization and conduct of farmers' institutes and agricultural associations. Lectures; assigned readings. *II; second half;* (1).

Assistant Professor Rankin

AGRICULTURE

(See Agricultural Extension, Agronomy, Animal Husbandry, Dairy Husbandry, Horticulture, Thremmatology, and Veterinary Science.)

AGRONOMY

21-5 ✓

Cyril George Hopkins, Ph. D., *Professor*
Jeremiah George Mosier, B. S., *Professor, Soil Physics*
James Harvey Pettit, Ph. D., *Professor, Soil Fertility*
Louie Henry Smith, Ph. D., *Professor, Plant Breeding*
Leonard Hegnauer, B. S., *Professor, Crop Production*
William George Eckhardt, B. S., *Associate, Soil Fertility*
Axel Ferdinand Gustafson, B. S., *Associate, Soil Physics*
Ora Stanley Fisher, B. S., *Instructor, Soil Fertility*
Ira Wilmer Dickerson, B. S., *Instructor, Agricultural Mechanics*
Karl John Theodore Ekblaw, B. S., *Instructor, Agricultural Mechanics*
Elmer Massey McDonald, B. S., *Instructor, Crop Production*
Harold Wilson Stewart, B. S., *Instructor, Soil Physics*
Frederick Charles Bauer, *Instructor, Soil Fertility*
Chester Otis Reed, B. S., *Assistant, Agricultural Mechanics*
Marvin E. Jahr, B. S., *Assistant, Agricultural Mechanics*

1. Drainage.—Location of drains, leveling, digging, laying tile,

filling and subsequent care; cost of construction and efficiency. Lectures; laboratory; field practice. *I; first half;* (2½).

Mr. Jahr

2. Field Machinery.—Simple machines, whiffletrees, ropes and chains. The construction, operation, adjustments, and cost of plows, harrows, drills, mowers, binders, spreaders, wagons; practice in setting up and testing some of the most important field machines. Lectures; laboratory. (Alternating with M. E. 48 or 49 if desired.) *I;* (3). Mr. Reed

3. Farm Power Machinery.—Pipes, belts, pulleys, gearwheels, and shafting; pipe-cutting; belt-splicing; babbitting; soldering. The gasoline engine; working principles, construction, operation, and adjustment. The horse as a motor. Wind-mills, hydraulic rams and pumps, steam engines, and electric motors. Various methods of applying power to field operations. Detailed design for a farm power plant. Lectures; laboratory. (May alternate with Agronomy 17, or Mechanical Engineering 48 or 49 if desired.) *II;* (3).

Mr. Dickerson

4. Farm Buildings.—Arrangement, design, construction, and cost of farm buildings; machinery sheds; granaries; corn cribs; chicken houses; swine houses; barns; dwelling houses. Drafting of buildings; lectures; assigned readings. *II;* (5). Mr. Ekblaw

5. Farm Seeds; Judging Corn and Other Grains.—Selection of the principal farm seeds for productiveness; market requirements and grades; grading and fanning as a means of improvement; shrinkage of grains; care of stored grain to prevent deterioration, injury, or loss; fungus diseases, such as smut of oats and wheat, and blight, scab, and rot of potatoes; methods of treatment for their prevention. Recitations; laboratory; field work. *I; first half;* (2½). Professor Hegnauer

6. Farm Seeds; Quality, Preservation, Germination and Growth.—Vitality of seeds in storage; plant growth; structure, habits, and requirements for successful growth of agricultural plants; enemies; weeds and weed seeds, their identification and methods of combating; impurities of the smaller farm seeds; methods of seeding, amounts of seed used, and seed bed preparation; general farm crops; grass; hay crops. Recitations; laboratory; field work. *II; first half; or II; second half;* (2½). Professor Hegenauer

(Special students and those who have had no botany or agronomy should arrange to take this course the first half of the semester.)

7. Farm Crops.—Origin, history, development, and value; botan-

ical relations; structure and requirement of the seed for best development; preparation of the seed bed; seeding; cultivation; tillage and inter-tillage; harvesting; time of maturity for various uses; harvesting; rotations, or succession of crops; systematic farming; distribution of labor; cost of production; consumption of products; residues; by-products; marketing; market conditions; losses in and cost of storage; the general utility of each crop; its place in a system of farming, or a rotation; special attention to Illinois conditions. Recitations; references; laboratory; field work. *II;* (5).

Professor Hegnauer

Prerequisite: Agronomy 6, or Botany 11 or 1, and one year's university work.

8. Field Experiments.—Testing varieties of corn, oats, wheat, potatoes, and other farm crops; methods of planting corn, seeding grains, grasses, and other forage crops; culture of corn, potatoes, and sugar beets; practice in treating oats and wheat for smut, and potatoes for scab, and studying the effect upon the crops; combating chinch-bugs and other injurious insects. Other practical experiments may be arranged with the instructor. *II, and summer vacation;* (2½-5). Professor Hegnauer

Prerequisite: Agronomy 7, 12.

9. Soil Physics and Management.—Origin of soil material; methods of formation; mechanical composition and classification; moisture; texture as affecting capillarity, osmosis, diffusion, temperature, aeration and as affected by plowing, harrowing, cultivating, rolling, and cropping; wasting by washing; fall or spring plowing and drainage as affecting moisture, temperature, and root development; real and apparent specific gravity, porosity, water holding capacity, and capillary power; the physical effects of different systems of rotation and of continuous cropping with various crops; mechanical analysis. Lectures; laboratory. *I;* (5).

Professor Mosier, Mr. Gustafson, Mr. Stewart

Prerequisite: Chemistry 1, or two credits in entrance physics; one year of university work.

10. Special Work in Soil Physics.—Physical properties of special soils; mechanical analysis of such soils by the centrifugal method; the field observation of the effects of discing, harrowing, and rolling; time and depth of cultivation; soil moisture and temperature; effects of washing of soils; methods of prevention. *I* or *II;* (2-5). Professor Mosier, Mr. Gustafson

Prerequisite: Agronomy 9.

11. Soil Biology.—Activities of infusoria, fungi, algae, and bacteria in soils from the standpoint of soil fertility; fermentation of crop residues and green and farm manures and its effect upon insoluble plant food; fixation of atmospheric nitrogen, its transformations, use, and possible losses. Lectures; laboratory. *II;* (3).
Professor Pettit

Prerequisite: Agronomy 12; Botany 5.

12. Soil Fertility, Fertilizers, Rotations.—The influence of fertility upon the yield of various crops; effect of different crops upon the soil and upon succeeding crops; different rotations; ultimate effect of different systems of farming upon fertility and productivity; manures and fertilizers, their composition and value; soils cropped continuously with different crops and with a series of crops; the fertility of soils of different types or classes from different sections of Illinois. Lectures; laboratory. *II;* (5).
Professor Hopkins, Mr. Eckhardt, Mr. Fisher, Mr. Bauer

Prerequisite: Chemistry 13a; Agronomy 6, 9.

13. Investigation of the Fertility of Special Soils.—Soils in which the student is particularly interested. Determination of the nature and quantity of the elements of fertility; effect upon various crops of different fertilizers added to the soils, as determined by pot cultures, and by plot experiments; systematic study of similar work of experiment stations and experimenters. *I, II;* (2-5).
Professor Hopkins, Professor Pettit

Prerequisite: Agronomy 12.

16. German Agricultural Readings.—Special attention to soils and crops. The current numbers of German journals of agricultural science used as texts. *II;* (2).

Prerequisite: Two years' work in German; Agronomy 12.

17. Farm Machinery.—Expert work with binders, mowers, spreaders, hay rakes, and hay loaders. (For students preparing to do expert work with these machines in the field.) *II;* (3).
Mr. Reed

Prerequisite: One year of university work; Agronomy 2, 3a; M. E. 48.

18. Investigation and Thesis.—*I, II;* (5-10).
Professors Hopkins, Mosier, Smith, Pettit, Hegnauer

19. Research Work in Farm Mechanics.—(Consult instructor regarding time and requirements.)
Mr. Dickerson, Mr. Ekblaw, Mr. Jahr, Mr. Reed

20. Concrete Construction for Agricultural Purposes.—Materials; mixing and using; general specifications and estimates for walks, posts, tanks, floors, and foundations. *I, second half;* (1). Mr. Ekblaw

21. General Course in Farm Mechanics.—Lectures; laboratory. *II;* (5).

Prerequisite: Two years of university work or its equivalent. [Not given in 1911-12.]

22. Plant Breeding.—The improvement by breeding of field crops, including the grains, grasses, and legumes; selection; results obtained by various investigators. Lectures; assigned readings; demonstrations; laboratory. *II;* (2). Professor Smith

Prerequisite: Botany 1; Chemistry 13a; Agronomy 5.

23. Plant Food Supplies.—The world's supply of plant food materials; utilization and conservation. *II;* (1). Professor Pettit

Prerequisite: Agronomy 12.

24. Soil Surveying and Mapping.—Soil types; the factors to be considered in establishing them; correlation; the history and methods of soil surveying and mapping; field practice in mapping. *II; first half;* (2½). Professor Mosier, Mr. Gustafson

Prerequisite: Agronomy 9.

COURSES FOR GRADUATES

Students who wish to do their major work in agronomy must have had all the work in that subject prescribed for undergraduates in the College of Agriculture of the University of Illinois, or the equivalent. While every one seeking a doctor's degree with agronomy as a major will be required to have a good knowledge of the whole field of agronomy, each student is expected to be especially prepared in some one of the following divisions of the field: Soil fertility, plant breeding, soil physics, crop production, and soil biology.

Students who are taking their major work in other departments and choose agronomy as a minor, must have had previously the work in chemistry, botany, and other fundamental sciences prescribed in the undergraduate courses for students of agronomy in the College of Agriculture, or the equivalent.

101. Soil Investigation.—Systems of soil investigation; sources

of error and methods of control; interpretation of results. *Once a week; II.* Professor Hopkins

103. Soil History.—Different systems of agricultural practice and their ultimate effect upon the soil. *Once a week; II.* Professor Hopkins

109. Experiments in the Production of Field Crops.—Practice in planning and conducting field experiments.

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112. Pant Breeding.—A detailed study of experiments at this station; methods and results reported from other states and from foreign countries. *Twice a week; I, II.* Professor Smith

Prerequisite: Botany 1; Chemistry 13a.

118. Investigation.— Professors Hopkins, Mosier, Smith, Pettit

5—

ANIMAL HUSBANDRY

23 – 4

Herbert Windsor Mumford, B. S., *Professor*

Harry Sands Grindley, Sc. D., *Professor, Animal Chemistry*

William Dietrich, M. S., *Assistant Professor, Swine Husbandry*

Louis Dixon Hall, M. S., *Assistant Professor, Animal Husbandry*

Walter Castella Coffey, M. S., *Assistant Professor, Sheep Husbandry*

Henry Perly Rusk, M. S. A, *Associate, Beef Cattle*

James Lloyd Edmonds, B. S., *Associate, Horse Husbandry*

Daniel Otis Barto, B. S., *Associate, Poultry Husbandry*

William Herschel Smith, B. S., *Instructor, Animal Husbandry*

Walter F. Handschin, *Assistant, Animal Husbandry*

John Jonathan Yoke, *Student Assistant, Animal Husbandry*

1a. Mutton and Wool Production.—Market classes and grades of sheep and of wool; values as indicated by current market reports; methods of breeding and feeding sheep for the production of mutton and wool. Lectures; reference readings; judging. *I; first half;* (2½). Assistant Professor Coffey

Prerequisite: Completion of or registration in Animal Husbandry 8 and 21.

1b. Breeds of Sheep and Management.—History, development, and characteristics of breeds suitable for the production of mutton and wool; the breeding, care, and feeding of sheep for breeding and for show purposes. Lectures; reference readings; judging. *I; second half;* (2½). Assistant Professor COFFEY

Prerequisite: Animal Husbandry 1a, 8, 21.

2a. SWINE HUSBANDRY.—Market classes: prime heavy, butcher, packing, light hogs and pigs; the various grades of the same; market reports; practice in judging; breeds of swine, origin, development, and characteristics. Judging. *II; first half.* (2½). Assistant Professor DIETRICH

2b. SWINE HUSBANDRY.—Production for market; economy of production; the breeding, housing, care, and feeding of swine for breeding and show purposes. *II; second half;* (2½). Assistant Professor DIETRICH

Prerequisite: Animal Husbandry 2a, 8, 21.

4. MARKET CLASSES OF HORSES AND MULES.—Draft horses, chunks, wagon, carriage, road, and saddle horses; mining, cotton, sugar, farm, and draft mules; conformation to market requirements. Judging; lectures; assigned readings. *II; first half;* (2½). Mr. EDMONDS

7. PRINCIPLES OF ANIMAL NUTRITION.—The income and expenditure of matter and of energy in the animal body; body metabolism; development of growing animals; maintenance of health and efficiency in mature animals. *I; first half;* (2½). Assistant Professor DIETRICH

Prerequisite: Chemistry 1, 2, 3, 13a; entrance physics, or its equivalent; Animal Husbandry 21 or its equivalent; one year of botany or zoology.

8. ELEMENTARY STOCK BREEDING.—Animal breeding; range of variability; effects of selection. *I; first half; or I; second half;* (1). Assistant Professor COFFEY

Prerequisite: Registration in Animal Husbandry 21.

9. INVESTIGATION AND THESIS.—*I or II;* (5-10).

10. MEAT.—Market classes, grades, and cuts of beef, mutton, and pork; effect of breeding and feeding on the yield and quality of meat; farm and packing-house methods of slaughtering, handling, and curing meats; by-products and their bearing upon the cost of meat. *II; first half;* (2½). Assistant Professor HALL

Prerequisite: Animal Husbandry 8, 21; 1a, 2a, or 11.

11. MARKET CLASSES AND GRADES OF BEEF CATTLE.—Grades of beef cattle, butcher stock, cutters and canners, stockers and feeders, and veal calves; beef type from the standpoint of the butcher,

the feeder, and the breeder; value of each grade according to market reports. Judging; lectures; assigned readings. (Should be followed by course 13.) *I; second half;* (2½). Mr. Rusk

12. Breeds of Beef Cattle.—History, development, and characteristics of the breeds suitable for beef production; tracing and critical study of pedigrees; breed types as exemplified in individual animals in the University and other herds. Lectures; assigned readings; judging. *II; first half;* (2½). Mr. Rusk

Prerequisite: Animal Husbandry 8, 11.

13. Beef Production.—Breeding for market; combined beef and milk production; fattening steers; economic factors in cattle feeding; influence of age, grade, breed, condition, and sex; shelter, feed lots, and equipment; hogs and manure as by-products of beef production. Lectures; assigned readings; text-book. (A continuation of course 11.) *II; first half;* (2½). Mr. Rusk

Prerequisite: Animal Husbandry, 8, 11, 21.

14. Management of Pure-bred Herds of Beef Cattle.—Housing, feed, and management; selecting and fitting cattle for sale and for the show ring; advertising and sale of surplus stock. Lectures; assigned readings. *II; second half;* (2½). Mr. Rusk

Prerequisite: Animal Husbandry 12.

15. Dairy Cattle.—(See Dairy Husbandry 2 and 17).

16. Stable Management and Feeding of Horses.—Feeding and care of work horses and drivers at labor and at rest; fattening for market; stables, stable fixtures, harness, vehicles, and other equipment, and their care. Lectures; assigned readings. *II; second half;* (1½). Mr. Edmonds

Prerequisite: Animal Husbandry 21.

17. Education and Driving of the Horse.—Mental qualities, pecularities, and limitations of the horse; education and training for labor or the road; correct driving; responsibilities of the driver; courtesies of the highway. Lectures; readings; practice. *II; second half;* (2). Mr. Edmonds

Prerequisite: Animal Husbandry 4; three semesters' work in the University or its equivalent.

[Only a limited number of students admitted to this course.]

18. Breeds of Horses.—History; development; characterictics; stud-work; tracing pedigrees. Judging; lectures; assigned readings. *I; first half;* (2½). Mr. Edmonds

Prerequisite: Animal Husbandry, 4, 8.

21. ELEMENTARY STOCK FEEDING.—Classification and composition of feeds; digestion, assimilation, and functions of food nutrients in the animal body; conditions affecting digestibility and feeding values of rations; feeding standards and calculation of balanced rations. Text-book; lectures. *I; first half; or I; second half;* (1½). Assistant Professor HALL

Prerequisite: Registration in course 8.

22. ADVANCED STOCK JUDGING.—Animal conformation with reference to market and show yard form, quality, and condition; the selection of horses, beef cattle, sheep, and swine, for feed lot, market, and exhibition; judging live stock shows. (The course includes a tour of inspection of the Union Stock Yards and packing plants at Chicago and representative herds, flocks, and studs, in which all members of the class are expected to participate.) *II; daily;* (3). Instructors in charge of prerequisite courses

Prerequisite: Animal Husbandry 1, 2, 4, 10, 11, 12, 15, 18; two years' work in the University, or its equivalent.

23a. POULTRY BREEDS AND JUDGING.—Types of fowls; their special points of excellence; breeds and varieties of chickens and prominent characters of each breed. History, development, and judging of some of the most important breeds. *I; second half;* (2½). Mr. BARTO

23b. POULTRY AND EGG PRODUCTION.—Methods of housing; results and cost; systems of feeding; fattening; care of market eggs and eggs for incubation; incubators and brooders; raising little chicks; diseases and methods of treatment; dressing and marketing. *II; first half;* (2½). Mr. BARTO

24. MEAT.—Influence of type, condition, age, sex, and feeds upon the yield and market grade of meat products. *II;* (2½-5). Assistant Professor HALL

Prerequisite: Animal Husbandry 1, 2, 10, 11, 12; three years' work in the University, or its equivalent.

25. WOOL.—Influence of the factors affecting the quality, quantity, strength, and condition of wool. *II;* (2½-5). Assistant Professor COFFEY

Prerequisite: Animal Husbandry 1a, 1b; three years' work in the University, or its equivalent.

26. SWINE.—Animal nutrition and the large and economical production of pork and the determination of type in swine. *II;* (2½-5). Assistant Professor DIETRICH

Prerequisite: Animal Husbandry 2a, 2b; three years' work in the University, or its equivalent.

COURSES FOR GRADUATES

Students entering graduate work in animal husbandry should have had a thorough course in the fundamental principles of the subject equivalent to the prescribed undergraduate work in animal husbandry in this University.

103. Live Stock Experimentation.—The feeding, breeding, and management of farm animals: Objects, methods, and sources of error; experiments at this and other experiment stations.
Professor Mumford

110. Animal Nutrition.—The chemical and physiological changes, reactions, and processes involved in the activities of animal life; namely, mastication, digestion, absorption, assimilation, disassimilation, respiration, circulation, secretion, and reproduction. *I, II.* Professor Grindley

111. Animal Nutrition.—Methods employed in the examination and analysis of feeding stuffs and animal substances, including flesh, fat, bone, urine, feces, and manufactured animal products. classroom and laboratory. *I, II.* Professor Grindley

116. Seminar.—Reports and discussions of investigations in the fields of animal husbandry, such as feeding, breeding, and economic aspects of live stock production and the chemical, physiological, and bacteriological problems of animal nutrition. *I, II.*

ARCHITECTURE

33 - 6

Frederick Maynard Mann, M.S., C.E., *Professor*

Nathan Clifford Ricker, D.Arch., *Professor*

Newton Alonzo Wells, M.P., *Professor, Architectural Decoration*

James McLaren White, B.S., *Professor, Architectural Engineering*

David Varon, A.D.G.F., *Assistant Professor, Architectural Design*

Charles Richard Clark, B.S., *Associate, Architectural Construction*

James Hutchinson Forsythe, B. S., *Instructor*

Roy Childs Jones, B.S., *Instructor*

Roger Milton Dickhut, *Instructor*

Angelo Corrubia, B.S., *Instructor*

Lee Wallace, B.P., *Instructor*

ROBERT TAYLOR JONES, *Assistant*
MARGARET NIVER, *Librarian*

4. BUILDING SANITATION.—Plumbing; trap ventilation, removal of wastes; construction of water closets; drains, and systems of water supply; sewage disposal; water supply and fixtures in dwellings. Cosgrove's *Principles and Practice of Plumbing.* Recitations; lectures; designs for special problems. *I;* (2). Mr. CLARK

Prerequisite: Registration in Physics 2a, 2b; Architecture 2, 3.

5. GRAPHIC STATICS.—Same as 45 (5) and 46 (5). *One lecture and nine hours drawing per week. II;* (4). Mr. CLARK

14 (6). HISTORY OF ARCHITECTURE.—From the Egyptian period to modern times; effects of political, economic, and local conditions; influence of materials, climate, structural systems; architecture of the various countries and periods; evolution of architectural forms. Illustrated lectures; quizzes. *I, II;* (4). Professor RICKER

Prerequisite: Sophomore standing in architecture or architectural engineering.

8. ARCHITECTURAL DRAWING.—Freehand perspective; shades and shadows; conventional rendering; relation of plans, elevations, and sections to each other; architectural elements: moldings, doors, windows, the Orders. *Nine hours drawing per week. II;* (3). Mr. CORRUBIA

Prerequisite: General Engineering Drawing 1.

10. FREEHAND DRAWING.—Charcoal and pencil drawing from the cast. *Three hours drawing per week. II;* (1). Mr. WALLACE

12 (6),* 13, (6), 14 (6), 15 (6). HISTORY OF ARCHITECTURE.—Covers approximately the same ground as Architecture 6. *Sophomore I, II; Junior I, II;* (2). Professor RICKER

Prerequisite: Architecture 31, 32.

14a. ARCHITECTURAL PERSPECTIVE.—Theory of perspective; labor-saving methods; freehand perspective; problems in angular, parallel, vertical, and curvilinear perspective, and in perspective shades and shadows. *One lecture and three hours drawing per week. I;* (2). Mr. CORRUBIA

Prerequisite: General Engineering Drawing 1, 2.

19. ARCHITECTURAL ENGINEERING.—Graphic statics applied to the analysis of metalic roofs of wide span; roof trusses of curved or unusual form and those supported by abutments and jointed, spherical, and conical trussed domes; the stone arch, vault, and

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*Figures in parentheses are old course-numbers.

dome, and of the Gothic system of vaults and buttresses; the strength of walls, dams, retaining walls, and large chimneys; the effect of moving loads on girders; construction and details of steel skeleton buildings. Problems in design for specified cases. Tucker's *Steel Construction;* Ricker's *Notes on Architectural Engineering. Nine hours drawing per week. I, II;* (3). Mr. CLARK

Prerequisite: Theoretical and Applied Mechanics 6, 7, 8, 9; Architecture 43, 44, 5.

20. FREEHAND DRAWING.—Any courses offered in Art and Design amounting to three semester hours. (Arrange hours.) *I, II;* (3). Assistant Professor LAKE

23, 24. FREEHAND DRAWING.—Charcoal drawing from the cast. *Six hours drawing per week. I, II;* (2). Mr. WALLACE

25, 26. FREEHAND DRAWING.—Charcoal, pen, pencil, and water color drawing from the cast and from still life. Out-of-door sketching. *Six hours drawing per week. I, II;* (2). Professor WELLS

27, 28. FREEHAND DRAWING.—Water color drawing; orginal decorative composition; out-of-door sketching. *Six hours drawing per week. I, II;* (2). Professor WELLS

15a. DESIGN.—(Architectural design for architectural engineers.) Order and plan problems. *Nine hours drawing per week. II;* (3). Mr. CORRUBIA

Prerequisite: General Engineering Drawing 1, 2; Architecture 20, 8.

31. ARCHITECTURAL DRAWING.—Lines and intersections; projections; the plan, elevation, and section; architectural lettering; India ink in line work and in simple washes; freehand sketching. *Twelve hours drawing per week. I;* (4). Mr. FORSYTHE

Prerequisite: Registration in G. E. D. 2.

32. WATER COLOR RENDERING.—Sketching architectural and still life subjects in water color. *II;* (1). Professor WELLS

32 (8)*. ARCHITECTURAL DRAWING.—Elements of architecture; moldings, doors, windows, cornices, bas corners; elements of perspective, shades and shadows, and wash rendering; freehand sketching. *Twelve hours drawing per week. I;* (4). Mr. FORSYTH

Prerequisite: Architecture 31.

32a. WATER COLOR DRAWING.—Sketching architectural and still life subjects in water color. *II;* (1). Professor WELLS

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*Figures in parentheses are old course-numbers.

34. ARCHITECTURAL ENGINEERING SEMINAR.—Current literature; reports and discussions. *I;* (1). Professor WHITE

34 (18). DESIGN.—(Elementary). Rendered order of problems and sketch problems involving simple composition; library research in elements of architecture. *Nine hours drafting room per week. I, II;* (3). Mr. DICKHUT

Prerequisite: Architecture 31, 32.

35, 36, DESIGN.—(Intermediate). Rendered plan problems and sketch problems; library research in plan and interior elements. *Fifteen hours drafting room per week. I, II;* (5). Mr. R. C. JONES

Prerequisite: Architecture 33, 34.

37. DESIGN.—(Advanced). Extended problems in orginal design. *Twenty-one hours drafting room per week. I;* (7).
Assistant Professor VARON

Prerequisite: Architecture 35, 36.

38. (30)* THESIS.—The working out of an extended original problem in design or construction. First semester: preliminary work; second semester: prescribed hours meet but part of the thesis requirement. *Twenty-one hours drafting room per week. I, II;* (7). Professor WHITE, Assistant Professor VARON

43. SPECIFICATIONS AND WORKING DRAWINGS.—The growth, cutting, seasoning, working, and finishing of woods; structural and decorative properties; detailing at large scale various parts: floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, internal finish; detail sketches of similar work in process of actual construction. Kidder's *Building Construction, Part II. Two lectures and four hours drawing per week. I;* (3). Mr. R. T. JONES

Prerequisite: General Engineering Drawing 2; Architecture 31, 32.

44. SPECIFICATIONS AND WORKING DRAWINGS.—Foundations of stone, brick, concrete and piles; materials employed in stone masonry, their uses, defects, qualities, and modes of preparation; kinds of masonry and external finish; tools for stone cutting and their use; brick masonry, its materials and bonds; terra-cotta design, manufacture and use; manufacture and refining of cast iron, wrought iron, and steel; pattern-making, molding, casting, refining, rolling, etc., and standard dimensions or sections; detailing of columns, beams, girders, and footings; joints and connections. Kidder's *Building Construction and Superintendence. Part I. Two lectures and four hours drawing per week. II;* (3).
Mr. R. T. JONES

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*Figures in parentheses are old course-numbers.

Prerequisite: General Engineering Drawing 2; Architecture 31, 32.

45. GRAPHIC STATICS.—Elements of graphic statics and their application in the analysis of trussed roofs, steel and masonry arches, domes. The graphical representation of reactions, bending moments, and shear, in beams. Ricker's *Notes of Graphic Statics. One lecture and six hours drawing per week. I;* (3). Mr. CLARK

Prerequisite: Theoretical and Applied Mechanics 14, 15, 16.

46. STRUCTURES.—Design of wooden and steel roofs; determination of section of members; design of joints; mill and steel skeleton construction. *One lecture and three hours drawing per week. II;* (3). Mr. CLARK

Prerequisite: Architecture 45.

55. BUILDING SANITATION.—(Similar to Archecture 4.) *I;* (1). Mr. CLARK

Prerequisite: Physics 2a, 2b; Architecture 2, 3.

57. HEATING AND VENTILATION.—Theory and practice of warming and ventilating buildings; fuels and production of heat; flow of gases through ajutages and pipes; calculation of dimensions of air ducts and chimneys; systems of heating: furnaces, hot water, steam; sources of impurity in the air and requirements of good ventilation; methods of ventilation by aspiration, by fans; fans of different types. Problems; design of heating plants. Hoffman's *Heating & Ventilation. I, II;* (2 or 3). Professor WHITE

Prerequisite: Architecture 43, 44, 55; Physics 2a, 2b; or 1, 3.

59. DOMESTIC ARCHITECTURE.—(Given in connection with courses in Household Science 2 and 3.) *Six lectures;* (1).
Professors RICKER, and WHITE, Mr. CLARK, Mr. R. T. JONES

60. SPECIAL LECTURES.—Lectures mainly by invited architects and specialists on subjects of interest to intending practitioners. *One lecture per week. II;* (1). In charge of Professor MANN

65, 66. THEORY OF ARCHITECTURE.—Influence of function on architectural form; theory of architectural composition in plan and elevation; problem analysis. Lectures; research; exercises. *I, II;* (1). Professor MANN

Prerequisite: Architecture 33, 34.

67. (41). THEORY OF FORM AND COLOR.—Principles underlying pleasing arrangements of form and color; rhythm and sequence; harmony and contrast; proportion and balance. Lectures; exercises. *I;* (2). Professor WELLS

Prerequisite: Architecture 25, 26, 35, 36.

68 (12). Business Relations.—The relations of the architect, owner, and builder; forms of contracts and contract clauses; estimating; office organization; building ordinances; professional ethics. *II;* (3). Professor Mann

33

Prerequisite: First three years of the courses in Architecture or Architectural Engineering.

COURSES FOR GRADUATES

Entrance upon graduate work in architecture presupposes the full undergraduate course in that subject. Semi-weekly conferences are held and additional instruction given, in all courses, as may be required.

101. Architectural Construction.—Design of special structures. *Arrange hours; I, II.* Professors Mann, Ricker, White

102. Sanitation of Buildings.—The planning of sanitation, warming, and ventilation, for buildings of importance. *Arrange hours; I, II.* Professors Ricker and White, Mr. Clark

103. Advanced Architectural Graphics.—Advanced work in graphic statics, stereotomy, perspective, water color, and free-hand drawing. *Arrange hours; I or II.*
Professors Mann, Ricker, Wells

104. Architectural Design.—Advanced architectural design. *Arrange hours; I or II.* Professor Mann, Assistant Professor Varon

105. Architectural Practice.—Contracts, specifications, and office methods; architectural jurisprudence. *Arrange hours; I or II.*
Professors Mann, Ricker, White

6

106. Advanced Architectural History.—Special research in architectural history. *Arrange hours; I or II.*
Professors Mann and Ricker

ART AND DESIGN

13

Edward John Lake, B.S., *Assistant Professor*
Mary Minerva Wetmore, *Instructor*
Charles Fabens Kelley, A.B., *Instructor*
Isabel Jones, *Instructor*

1. Free-Hand Drawing.—The principles of perspective; practice in drawing. *I;* (2 or 3); *II;* (3).
Assistant Professor Lake, Miss Jones, Mr. Kelley

2. LIGHT AND SHADE.—Shaded drawing in monochrome. *II;* (2). Assistant Professor LAKE, Miss JONES

Prerequisite: Art and Design 1.

3. ANTIQUE DRAWING.—Practice in drawing; study of artistic anatomy. *I, II;* (3). Miss WETMORE

Prerequisite: Art and Design 1.

4. WATER COLOR PAINTING.—Still-life; flowers; landscapes. *I, II;* (3). Miss JONES

Prerequisite: Art and Design 1, 2.

5. OIL PAINTING.—Figure and portrait in costume. *I, II;* (3). Miss WETMORE

Prerequisite: Art and Design 1, 2, 3.

6. OIL PAINTING.—Still life; flowers; landscape. *I, II;* (3). Miss WETMORE

Prerequisite: Art and Design 1, 2.

8. MODELING.—Antique and figure; plaster casting. *I, II;* (2). Assistant Professor LAKE

Prerequisite: Art and Design 1, 3.

8a. MODELING.—Architectural. *I;* (2). Assistant Professor LAKE

Prerequisite: Art and Design 1.

10. SKETCHING IN MONOCHROME.—General practice in pen and pencil. *II;* (1). Assistant Professor LAKE

Prerequisite: Art and Design 1.

12. DESIGN.—Theory and practice. *I, II;* (3). Mr. KELLEY

Prerequisite: Art and Design 1.

13. DESIGN.—History and Practice. *I, II;* (3). Mr. KELLEY

14. DESIGN.—Advanced Practice. *I, II;* (3). Mr. KELLEY

19. HISTORY OF THE FINE ARTS.—Elementary. *I, II;* (2).

Prerequisite: One year of college work.

~~20. TEACHERS' COURSE.—*I, II;* (2).~~

~~*Prerequisite*: Art and Design 1, 2, 4.~~

~~[Not given, 1911-12.]~~

ASTRONOMY

8 - 1

JOEL STEBBINS, Ph.D., *Assistant Professor*

FRANK WALKER REED, Ph.D., *Instructor*

HARPER FILER ZOLLER, B.S., *Research Assistant*

Instruction in astronomy is arranged both for general students and for those who desire to take up the science from its technical side. Advanced students are given every opportunity to become familiar with the use of modern astronomical instruments. The equipment of the department is contained in the Astronomical Observatory. The principal instruments are a 12-inch refacting telescope by Warner and Swazey, and Brashear, and a 3-inch transit and zenith telescope. There are also two smaller equatorials, two Riefler clocks and a considerable amount of minor apparatus such as chronometers, transits, sextants, spectroscopes, photometer, photographic outfit, and calculating machines. The astronomical library comprises about 1,200 volumes, and includes all of the important astronomical periodicals.

Students without mathematical training may elect course 1. Course 4 is for beginners, but requires a knowledge of trigonometry. Other courses should be taken in the following order: 3, 6, 15, 14, 7.

COURSES FOR UNDERGRADUATES

1. Elementary Astronomy.—Lectures; recitations; one evening a week at the observatory. (For beginners; mathematics not required.) *I;* (3). Assistant Professor Stebbins, Dr. Reed

3. General Astronomy for Engineers.—Descriptive astronomy; required with course 6. *II;* (3). Assistant Professor Stebbins

Prerequisite: Mathematics 7 or 8a.

4. General Astronomy.—Lectures; recitations; two evenings a week at the observatory. *II;* (5). Dr. Reed

Prerequisite: Mathematics 4.

6. Practical Astronomy.—Rough and accurate determinations of latitude, azimuth, and time, especially with the ordinary surveyor's transit; the art of computing. *II;* (2).

Assistant Professor Stebbins

Prerequisite: Mathematics 7 or 8a.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

7. Theoretical Astronomy.—Celestial mechanics; theory of orbits; perturbations; canonical transformations. *I, II;* (3).

Dr. Reed

Prerequisite: Mathematics 8a or 7 and 9.

9. Celestial Mechanics.—Properties of canonical systems of

differential equations; integration by series; periodic and asymptotic solutions; integral invariants. *I, II;* (3). Dr. Reed

Prerequisite: Mathematics 16; Astronomy 7.

14. Observational Astronomy.—The working methods of an astronomical obseratory; individual problems. *II;* (3).
Assistant Professor Stebbins

Prerequisite: Astronomy 15.

15. Geodetic Astronomy.—The sextant, transit, and zenith telescope; methods similar to those of the United States Coast Survey. *I;* (3). Assistant Professor Stebbins

Prerequisite: Mathematics 7 or 8a.

COURSE FOR GRADUATES

101. Seminar and Thesis.—*Three times a week; I, II.*
Assistant Professor Stebbins

BACTERIOLOGY

(See Botany 5, 6, 8, 12, 103, 104, 105.)

BANKING

(See Economics.)

BIOLOGY

(See Botany, Entomology, Physiology, and Zoology.)

BOTANY

15-7

Thomas Jonathan Burrill, Ph.D., LL.D., *Professor*
Charles Frederick Hottes, Ph.D., *Assistant Professor*
James Theophilus Barrett, Ph.D., *Associate*
Charles Francis Briscoe, A.M., *Instructor*
Jessie Baldwin, A.B., *Assistant*
Philip Augustus Lehenbauer, A.M., *Assistant*
John Hamilton Whitten, A.B., *Assistant*
Stella Mary Hague, A.B., M.S., *Assistant*
Rosalie Mary Parr, A.M., *Assistant*
Mabel Alma Knight, A.B., *Assistant*
Paul Steere Burgess, M.S., *Assistant*
Martin Dupray, B.S., *Assistant*

Courses numbered 1 to 20 inclusive are primarily for undergraduates; those numbered 101 to 106 inclusive are for graduates only. The undergraduate work may be roughly classified in four somewhat distinctive lines, viz: 1, anatomy and physiology (courses 1, 3, 7, 9, 14); 2, morphology and taxonomy (courses 2, 4, 13, 16); 3, ecology (courses 17, 18, 19, 20); 4, bacteriology (courses 5, 6, 8, 12). Course 11 is an introductory one and 15 is for prospective teachers. Courses 1, 2, and 4 form together a general introduction to the science and may be elected by those who propose to go no farther or with equal propriety by those who are to pursue subsequently the more specialized work.

1. HISTOLOGY AND PHYSIOLOGY.—The tissues and organs of plants; the phenomena of nutrition, growth, and irritability; *II;* (5).
Assistant Professor HOTTES, Mr. LEHENBAUER, Miss BALDWIN, Mr. WHITTEN, Miss PARR, Miss KNIGHT
Prerequisite: Entrance credit in botany, or Botany 11: Chemistry 1 or Physics 2a.

2. MORPHOLOGY.—The principal plant groups, beginning with the lower (thallophytes), by selected types. First semester: general survey of the plant world; second semester: seed plants (spermatophytes). Each semester's work is credited separately as 2a and 2b. *I, II;* (5).
Prerequisite: Entrance credit in botany, or Botany 11 (for 2b, Botany 11 or 2a).

3. CYTOLOGY AND PHYSIOLOGY.—First semester: cytology and histology, with special attention to technique. Second semester: influences of external stimuli on growth and movement. Lectures; laboratory; assigned reading. (Extends through the year, but the work of each semester is credited separately as 3a and 3b.) *I, II;* (5). Assistant Professor HOTTES, Mr. LEHENBAUER
Prerequisite: Botany 1.

4. TAXONOMY OF SPERMATOPHYTES.—Identification and classification of flowering plants. Lectures; assigned reading; laboratory; field excursions. *I;* (5). Professor BURRILL
Prerequisite: Entrance credit in botany, or Botany 11.

5. BACTERIOLOGY.—General principles; methods of procedure; selected forms. Lectures; recitations; laboratory work. *I or II;* (5). (Course given in the first semester is repeated in the second.)
Professor BURRILL, Mr. BRISCOE, Mr. BURGESS, Mr. DUPRAY
Prerequisite: Chemistry 1; one year's University work, including one semester in botany or zoology.

6. BACTERIOLOGY FOR SANITARY ENGINEERS. — Bacteriological methods; water analysis and sewage. *I, last seven weeks;* (2).
Mr. BRISCOE

7. PLANT PATHOLOGY.—First semester: the more important diseases of cultivated plants, their causes, and methods of prevention; second semester: methods of investigation and control. (Each semester's work credited separately as 7a and 7b.) *I, II;* (5).
Dr. BARRETT

Prerequisite: Botany 1; 2 or 4.

8. BACTERIOLOGY.—Selected species of bacteria; investigations upon assigned subjects. *I or II;* (2-5). Professor BURRILL
Prerequisite: Botany 5.

9. CYTOLOGY AND PHYSIOLOGY, ADVANCED COURSE.—Special laboratory problems in cytology and physiology. Critical discussions of current literature; reports on research work. *I, II;* (2-5).
Assistant Professor HOTTES
Prerequisite: Two years' work in botany, including Botany 3.

10. SEMINAR.—Reports and discussions upon assigned topics and results of research work. (For advanced and graduate students.) *I, II;* (1). Professor BURRILL

11. INTRODUCTORY COURSE.—Flowering plants, their structure and activities. Lectures; laboratory; field observations; text. *I;* (5).
Assistant Professor HOTTES, Mr. LEHENBAUER, Miss BALDWIN, Mr. WHITTEN, Miss PARR

*12. LECTURES AND DEMONSTRATIONS UPON BACTERIA.—The existence, size, form, life, processes, and effects of bacteria and allied organisms, with special attention to those of economic importance, or of most common utility or detriment to man. *I, second half;* (1).
Professor BURRILL

13. FORESTRY.—Forest trees and their collective influences; the principles and practice of forestry; forestry legislation and economics. (The same as Horticulture 9.) *II;* (2). Professor BURRILL
Prerequisite: Botany 4 or 11.

14. HEREDITY AND ORIGIN OF SPECIES.—The plant cell; the physiology of its different constituents and the parts these play in

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* This course may not be counted for the degree of A. B. in the College of Literature and Arts.

the process of fertilization; various theories of heredity and of species formation. Lectures; demonstrations; laboratory. *I;* (3).
Assistant Professor HOTTES

Prerequisite: One years' work in the University; one semester in botany or zoology.

15. TEACHERS' COURSE.—The teaching of botany in secondary schools; methods of instruction; laboratory equipment and material helps; pertinent literature; the teacher's preparation and duties. *II;* (1). Professor BURRILL, Assistant Professor HOTTES

Prerequisite: One year of botanical work in the University or the equivalent.

16. TAXONOMY OF SPECIAL GROUPS.—Laboratory and herbarium work; assigned reading. (The course extends through the year, but the work of each semester is credited separately as 16a and 16b.) *I, II;* (5).

Prerequisite: Botany 4.

17. ECOLOGY.—*II;* (3).

Prerequisite: Entrance credit in botany, or Botany 11.

[Not given in 1911-12.]

18. ECOLOGY.—*I, II;* (2-5).

Prerequisite: Botany 4, 17.

[Not given in 1911-12.]

19. SEMINAR IN ECOLOGY.—*I, II;* (1).

Prerequisite: Experience in ecological field work.

[Not given in 1911-12.]

20. ECOLOGY AND TAXONOMY.—*I, II;* (2-5).

Prerequisite: Botany 18 or 16.

[Not given in 1911-12.]

COURSES FOR GRADUATES

After at least one year of approved botanical work graduates may elect any of the courses 3, 5, 7, 8, 9, 10, 18, 19, or 20 for minor credit and any of the courses 3, 7, 8, 9, or 18 and 19 together, with assigned additions for major credit towards an advanced degree.

The following are open only to graduates of liberal botanical training and may, upon approval, be elected for minor or major work.

101. CYTOLOGY.—The influence of external agents on the cell;

special subjects for investigation. Reports; discussions of current literature and research results. *Five times a week; I, II.*

Assistant Professor Hottes

102. Physiology.—The effects of external stimuli on growth and movement; special subjects for investigation; reports; discussions of current literature and research results. *Five times a week; I, II.*

Assistant Professor Hottes

103. Bacteriology.—Morphologic and physiologic variation due to treatment; the number, validity, and relationship of species; special saprophytic or parasitic bacteria; methods of favoring or combating their activities. *Five times a week; I, II.*

Professor Burrill

104. Bacteriology.—Special methods, to develop technical skill for research upon pathogenic bacteria. (The same as Animal Husbandry 113.) *Three times a week; II.*

105. Bacteriology.—Micro-organisims related to the animal body in health and disease. (The same as Animal Husbandry 114.) *Five times a week; I, II.*

106. Vegetable Pathology.—Diseases of plants and disease agents; special subjects. *Five times a week; I, II.*

Professor Burrill

107. Ecology and Phytogeography.—Plant associations and phytogeographic relations of selected areas, based on approved field work. Reports and discussions. *Two to five times a week; I, II.*

1

CERAMICS

15-4

Albert Victor Bleininger, B. S., *Professor*
Ray Thomas Stull, E. M., *Associate*
Ralph Kent Hursh, B. S. in M. E., *Assistant*
George Howard Baldwin, B. S., *Research Assistant*
Clarence Edward Fulton, B. S., *Research Assistant*
Frank Miller Wallace, B. S., *Research Assistant*

The courses offered by the department of ceramics are designed to give a technical knowledge of the composition and properties of raw materials used in the manufacture of clay wares, cements, and glasses, and of the physical and chemical changes which they undergo during manufacture; manual skill in the manipulation of these materials; and such knowledge of mechines and the applications of power as will enable the student to acquire familiarity with the construction and operation of a manufacturing plant; to understand the peculiarities of the materials with which he is to deal; and to install such machinery and introduce such methods of manufacture as will improve the quality and reduce the cost of the wares.

For the more technical work the department occupies a new building especially designed for its needs. The lecture rooms, laboratories, kiln-house, drawing rooms, and library are well equipped.

The relations of the department with the clay working interests of the State are such that investigation is as much a part of its work as is instruction. Consequently, studies of both a purely scientific and a practical nature are continually in progress. Advanced students are permitted to take part in those investigations under the direction of the instructors. Seniors and graduate students are expected to conduct investigations of their own in some line of work in which they are especially interested. (For outline of courses see pages 158, 159.)

1. CLASSIFICATION AND PHYSICAL TESTING OF CLAYS.—The properties of clays and other ceramic materials; the identification of the varieties met in practical work. Lectures; laboratory. *I;* (3).
Professor BLEININGER, Mr. HURSH

Prerequisite: Chemistry 2, 3.

2. WINNING AND PREPARATION OF CLAYS.—Commercial methods. *I;* (3). Mr. STULL

Prerequisite: Chemistry 5b.

3. INDUSTRIAL CALCULATIONS.—The designing and operation of furnaces, kilns, and dryers; temperature measurement. *I;* (3).
Mr. HURSH

Prerequisite: Mathematics 8; Chemistry 5b; Physics 1 and 3.

4. DRYING AND BURNING.—Methods of drying and burning clay wares; types of construction of industrial kiln plants; chemical and physical processes involved. *I;* (4). Professor BLEININGER

Prerequisite: Ceramics 5.

5. BODY MAKING.—Composition of all classes of ceramic wares; physical and chemical changes produced by the blending of the various ceramic materials; machinery and processes employed in shaping the various products. Lectures; laboratory. *II;* (5).
Professor BLEININGER, Mr. HURSH

Prerequisite: Ceramics 3; registration in Ceramics 7.

6. GLAZES.—The production of glazes and enamels; classification; properties and defects common to each class; the effect of

variation in composition; modes of application. Lectures; laboratory. *I;* (5). Mr. STULL

Prerequisite: Ceramics 4, 5, and 7.

8. PRINCIPLES OF GLASS MANUFACTURE.—The raw materials, preparation, compounding, melting, and shaping of glass; chemical principles involved in the manufacture and decoration of the different types of vitreous silicates. Lectures. *II;* (3). Mr. STULL

Prerequisite: Ceramics 7.

9. CERAMIC CONSTRUCTION.—Plans, speicfications, and estimates of ceramic construction. *II;* (5). Mr. STULL

Prerequisite: G. E. D. 2; Ceramics 3.

10. CEMENTS.—Limes, cements, plaster, sand-lime stone, and other cementing materials; composition; reactions; methods of manufacture and testing. Lectures. *I;* (3). Professor BLEININGER

Prerequisite: Ceramics 3.

11. THESIS.—*II;* (5). Professor BLEININGER, Mr. STULL

12. DESIGNING AND SHAPING.—Technical designing and shaping from the standpoint of the manufacturer; die construction; laying out of work; templates; master and working molds; pressing; casting; jiggering. *II;* (3). Mr. STULL

Prerequisite: Ceramics 1 or 2.

13. CEMENT LABORATORY.—The preparation of cementing substances; properties; typical reactions involved in the manufacture and use of lime, lime-sand products, pozzuolane, Sorel cement, natural and Portland cement; the behavior of the hardened products under the influence of the various agencies to which they are subjected in use. *I;* (3). Professor BLEININGER

Prerequisite: Ceramics 10.

14. CONTINUATION OF COURSE 13.—The production of water proof and sea water resisting cements; cement colloids; polychrome pigments for fresco decoration; cement colors; cold water paints. *II;* (3). Mr. STULL

Prerequisite: Ceramics 13.

15. THE PREPARATION OF GLASS SILICATES.—Soda-lime; potash-lime; lead, barium, and zinc silicates; boro silicates; properties of the fused and solidified glasses; practical problems of the glass industry. *I;* (3). Professor BLEININGER

Prerequisite: Ceramics 8.

16. CONTINUATION OF COURSE 15.—Opaque, colored, and optical

glasses; the enameling of metals; cast iron; sheet iron; copper. *II;* (3). Professor Bleininger, Mr. Stull

Prerequisite: Ceramics 15.

Courses open to graduates of courses other than ceramics to be taken as minors: Ceramics 14, 5, 6, 7, 8, 10.

COURSES FOR GRADUATES

101. The Formation of Silicates, involving the conceptions of physical chemistry. Lectures; laboratory. *Five times a week; I.*
Professor Bleininger

102. The Technology of the Clay Industries.—Mineralogical constitution of clays; plasticity and the colloidal state; adsorption; pyro-chemical and physical changes; exothermic and endothermic processes; the crystalline and amorphous state of burnt clay; thermal expansion of bodies and glazes; bodies and their interaction with glazes; the composition and constitution of glazes; dissolved and underglaze colors; translucency and opacity; the colors of rare oxides in glazes; eutectic studies; reduction and oxidation phenomena; heat radiation; conduction. *Five times a week; I, II.*
Professor Bleininger

103. The Technology of the Cement and Mortar Industries.—Fusion curves of lime, lime-iron, lime-alumina, and lime iron-alumina silicates; the action of catalyzers; crystallization of basic silicates; constitution of cement compounds; hydration and dehydration; thermal studies; colloids of hydration products; white hydraulic cements; the factor of fineness of grain; pyro-chemical changes. *Five times a week; I, II.* Professor Bleininger

104. The Technology of Glass.—Fusion curves of glassy silicates; limiting compositions; solubility of the oxides in glasses; devitrification; annealing; optical properties; solubility of glass; viscosity; thermal expansion; pyro-chemical volume changes; reaction of coloring oxides; cooling curves; flashing; interaction between metal surfaces and glasses; oxidation and reduction. *Five times a week; I, II.* Professor Bleininger

CHEMISTRY

42-18

William Albert Noyes, Ph. D., LL. D., *Professor and Director*
Samuel Wilson Parr, M. S., *Professor*
Edward Bartow, Ph. D., *Professor*
Philip Bovier Hawk, Ph. D., *Professor*

Richard Sydney Curtiss, Ph. D., *Assistant Professor*
Clarence William Balke, Ph. D., *Assistant Professor*
Edward Wight Washburn, Ph. D., *Assistant Professor*
David Ford McFarland, Ph. D., *Assistant Professor*
George McPhail Smith, Ph. D., *Associate*
Helen Isham, Ph. D., *Associate*
Grinnell Jones, Ph. D., *Associate*
Laurie Lorne Burgess, Ph. D., *Associate*
Clarence George Derick, Ph. D., *Associate*
Richard Henry Jesse, Jr., Ph. D., *Instructor*
Ellen S McCarthy, Ph. D., *Instructor*
Paul Edward Howe, Ph. D., *Instructor*
Duncan Arthur MacInnes, Ph. D., *Instructor*
George Denton Beal, Ph. D., *Instructor*
Ralph Sydney Potter, A. B., *Research Assistant*
Harry Fielding Hadley, A. B., *Lecture Assistant*
Lloyd Francis Nickell, A. M., *Assistant*
Robert Howard Stevens, M. S., *Assistant*
Earl Bowman Millard, A. M., *Assistant*
Clarence James Baker, M. S., *Assistant*
Walter Thompson Murdock, M. S., *Assistant*
George Wallace Sears, M. S., *Assistant*
John Henry Bornman, B. S., *Assistant*
Miner L. Hartman, B. S., *Assistant*
Harvey Peach Corson, B. S., *Assistant*
Hugh Byron Gordon, M. S., *Graduate Assistant*
Paul Stanley Woodward, B. S., *Graduate Assistant*
Carl Paxson Sherwin, B. S., *Graduate Assistant*
Roland Norton Miller, A. B., *Graduate Assistant*
Oliver Kamm, B. S., *Graduate Assistant*
Carl John Lauter, B. S., *Graduate Assistant*
Silas Edgar Fauquher, B. S., *Graduate Assistant*
Leonard Maynard, A. B., *Graduate Assistant*
James Edgar Bell, B. S., *Graduate Assistant*
Ohannes Aaron Arozian, B. S., *Graduate Assistant*
Laurence Fleming Foster, A. B., *Graduate Assistant*
Henry Lawrence Huening, A. B., *Graduate Assistant*
Charles Frederick Curtis Riley, A. B., *Graduate Assistant*
Theodore Frederick Zucker, *Graduate Assistant*

The Department of Chemistry is organized under nine divisions as follows:

Elementary and Inorganic Chemistry
Qualitative Analysis
Quantitative Analysis, including Agricultural and Food Analysis
Organic Chemistry
Physiological Chemistry
Animal Nutrition
Physical Chemistry and Electochemistry
Industrial Chemistry, including Metallurgy, Gas Analysis, and Assaying
Water Analysis

Each of these divisions is equipped with rooms and apparatus for elementary, advanced, and graduate work. The nature of the work is apparent from an examination of the courses described below.

Students taking chemistry at the University are advised to give at least one year to the subject and this should include Chemistry 1 or 1a, 2 and 3. Those continuing in the second year should take Chemistry 5a and 5b, 5c or 13a. In the third year Chemistry 14 and 9, 9a, 9b, or 9c, 31 and 33 should be taken. With these, more special courses may be taken if desired, but, in general, students are not advised to take the special courses unless thay have had the fundamental work represented by the selection given above. Students who desire a training for professional work in chemistry, either as teachers or in its industrial applications, will naturally take the chemical course or the course in chemical engineering.

Students who find it impossible to take more than one semester's work are requested to register for Chemistry 1 or 1a in the second semester rather than in the first.

1. INORGANIC CHEMISTRY.—The non-metallic elements. Alexander Smith's *General Inorganic Chemistry. I or II;* (5).

Professor NOYES, Assistant Professor BALKE, Dr. ISHAM, Dr. McCARTHY

1a. INORGANIC CHEMISTRY.—Lectures; recitations; laboratory. *I or II;* (4).

Professor NOYES, Assistant Professor BALKE, Dr. ISHAM, Dr. McCARTHY

Prerequisite: One year of entrance chemistry.

1b. INORGANIC CHEMISTRY.—Inorganic chemistry. Lectures;

recitations; laboratory. (For students in engineering.) *I or II;* (4).

Professor NOYES, Assistant Professor BALKE, Dr. ISHAM, Dr. McCARTHY

2. INORGANIC CHEMISTRY.—A continuation of Chemistry 1. The metallic elements; their classification, compounds, and chemical properties. Lectures; assigned text. Alexander Smith's *General Inorganic Chemistry. I or II;* (2).

Professor NOYES, Assistant Professor BALKE, Dr. ISHAM, Dr. McCARTHY

Prerequisite: Chemistry 1; registration in Chemistry 3.

3. QUALITATIVE ANALYSIS.—Recitations; laboratory. *I or II;* (3). Dr. SMITH, Dr. ISHAM, Dr. McCARTHY

Prerequisite: Chemistry 1; registration in Chemistry 2.

4. QUALITATIVE ANALYSIS AND THE CHEMISTRY OF THE METALLIC ELEMENTS.—Class and laboratory work. (For students in engineering.) *I;* (4). Dr. SMITH

Prerequisite: Chemistry 1a or 1b.

5a. ELEMENTARY QUANTITATIVE ANALYSIS.—Gravimetric and volumetric analysis; stoichiometrical relations and the application of the fundamental laws of chemistry to quantitative analysis. Lectures; recitations; laboratory. (Medical students are given special problems in the latter part of the course.) *I;* (5).

Dr. BURGESS, Dr. BEAL

Prerequisite: Chemistry 2, 3.

5b. QUANTITATIVE ANALYSIS.—Continuation of 5a. Methods; the analysis of silicates, metallic compounds, and alloys; advanced qualitative analysis for students in the course in chemistry and chemical engineering. Lectures; laboratory. *II;* (5).

Dr. BURGESS, Dr. BEAL

Prerequisite: Chemistry 5a.

5c. FOOD ANALYSIS.—The analysis of food stuffs; grains; milled products; alcoholic beverages; baking powders; vinegars; syrups; sugars. (Students who have taken work amounting to five hours' credit in this course may arrange to do advanced work along the following lines: Methods of detecting food adulterations; the separation and determination of the nitrogenous constituents of animal and vegetable foods; the identification and estimation of the carbohydrate constituents of food products.) *II;* (3-5).

Dr. BEAL, Dr. BURGESS

Prerequisite: Chemistry 5a or 13a; 9 or 14.

*6. CHEMICAL TECHNOLOGY.—Technological chemistry as illustrated in those industries having a chemical basis for their principal operations and processes; trade journals. Lectures; no laboratory. Thorp's *Industrial Chemistry*. *II;* (2).

Assistant Professor McFARLAND

Prerequisite: Chemistry 5a.

*7. METALLURGY.—Lectures; assigned reading. *I;* (3).

Assistant Professor McFARLAND

Prerequisite: Chemistry 5a.

8. IRON AND STEEL ANALYSIS.—Analysis of all the constituents by both rapid or technical, and standard methods. *II;* (3).

Dr. BURGESS

Prerequisite: Chemistry 5b.

9. ORGANIC CHEMISTRY.—The characteristics of the more typical and simple organic compounds; the important classes of derivatives of carbon. Moore's *Organic Chemistry*. (For students of the medical preparatory course and others desiring a short course.) *II;* (3).

Assistant Professor CURTISS

Prerequisite: Chemistry 2, 3; registration in Chemistry 9c.

9a. ORGANIC SYNTHESIS.—Ultimate organic analysis; the preparation and study of typical organic compounds. Laboratory. (For students in the chemistry course.) *I;* (2).

Assistant Professor CURTISS, Dr. DERICK, Mr. NICKELL

Prerequisite: Chemistry 2, 3; registration in Chemistry 14.

9b. ORGANIC SYNTHESIS AND ANALYSIS.—Continuation of 9a. *II;* (2).

Assistant Professor CURTISS, Dr. DERICK, Mr. NICKELL

Prerequisite: Chemistry 9a; registration in Chemistry 14.

9c. ORGANIC SYNTHESIS.—Typical organic compounds; the organic substances of medicinal value and of physiological importance. Laboratory. (For students in the medical preparatory course and others desiring a brief course.) *II;* (2).

Assistant Professor CURTISS, Dr. DERICK, Mr. NICKELL

Prerequisite: Chemistry 2, 3; registration in Chemistry 9.

10a. WATER ANALYSIS.—The history, sources, contamination, and standards of purity of potable waters and waters for industrial purposes; practice in analytical methods. Lectures. *II;* (3).

Professor BARTOW

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* Certain inspection trips will be arranged in connection with courses 6 and 7. Students registering in these courses should take into consideration the expense involved, which will approximate $15.00 for each course.

10b. (A modification of 10a to meet the requirements of students in sanitary enginering, registered in connection with Chemistry 2 and 3.) *II;* (2½). Professor BARTOW

11. RESEARCH.—Thesis embodying a thorough review of the literature of the subject; account of work done in the laboratory. The subject should be determined upon and reading begun in the junior year. A minimum of five semester hours is required. (Required for seniors.) *I, II;* (5).

Professors NOYES, PARR, BARTOW, HAWK, Assistant Professors CURTISS, BALKE, WASHBURN, MCFARLAND, Dr. SMITH, Dr. ISHAM, Dr. JONES, Dr. JESSE, Dr. BURGESS, Dr. MCCARTHY, Dr. DERICK, Dr. HOWE, Dr. MACINNES, Dr. BEAL

13a. AGRICULTURAL ANALYSIS.—Problems for agricultural students; the quantitative determination and separation of the more important constituents of soils, fertilizers, and foodstuffs. *I or II;* (5). Dr. BEAL, Dr. BURGESS

Prerequisite: Chemistry 2, 3.

13b. ADVANCED AGRICULTURAL ANALYSIS.—The complete analysis of foods, soils, plants, plant ash, rain and drain waters; the determination of the fuel value of foods. (A continuation of Chemistry 13a for students who wish to specialize in agricultural chemistry.) *II;* (3, 5). Dr. BEAL, Dr. BURGESS

Prerequisite: Chemistry 5a or 13a.

14. ORGANIC CHEMISTRY.—Lectures; recitations. Noyes's *Organic Chemistry. I, II;* (3). Professor NOYES

Prerequisite: Chemistry 5a; should be accompanied by Chemistry 9a and 9b.

15. PHYSIOLOGICAL CHEMISTRY.—Enzymes; carbohydrates; salivary digestion; gastric digestion; fats; pancreatic digestion; intestinal digestion; bile; putrefaction products; feces; blood; milk; epithelial and connective tissue; muscular tissue; nervous tissue; urine. Qualitative and quantitative work on gastric juice, blood, urine, and milk; the clinical aspects of these topics treated thoroughly for the benefit of prospective students of medicine. Lectures; demonstrations; conferences; practical work. Hammarsten's *Text Book of Physiological Chemistry;* Hawk's *Practical Physiological Chemistry.* (Open to graduates and undergraduates.) *I;* (5).

Professor HAWK, Dr. HOWE

Prerequisite: Two years' work in chemistry.

15a. METABOLISM AND NUTRITION.—Metabolism; activities of gastro-intestinal tract; enzymes; inorganic nutrition. Lectures; demonstrations; conferences. *II;* (2). Professor HAWK

Prerequisite: Chemistry 15.

16. CHEMISTRY FOR ENGINEERS.—The proximate analysis of coal; determination of calorific power; technical analysis of furnace gases; examination of boiler waters; lubricating oils. (For mechanical engineers.) *II;* (3). Professor PARR, Dr. JESSE

Prerequisite: Chemistry 1.

17. TEACHERS' COURSE.—The methods of teaching elementary chemistry. *I;* (1). Assistant Professor BALKE

21. QUALITATIVE ORGANIC ANALYSIS.—Systematic methods for identification of pure organic compounds and mixtures. *I;* (2). Dr. DERICK

Prerequisite: Chemistry 9a, 9b.

22. ANIMAL CHEMISTRY.—The chemical composition of animal products and feeding stuffs. Classroom and laboratory work. *I or II;* (3-5). Professor GRINDLEY

Prerequisite: Two years' work in chemistry.

27. QUALITATIVE ANALYSIS OF THE RARE ELEMENTS.—The rare elements and their compounds; identification and separation of the elements; formation, solubilities, and chemical reactions of their salts. Assigned reading; laboratory. *II;* (3). Assistant Professor BALKE

Prerequisite: Two years' work in chemistry.

31. ELEMENTARY PHYSICAL CHEMISTRY.—Some of the more important principles and methods of physical chemistry and electrochemistry; numerous problems. Lectures; recitations. Senter's *Outlines of Physical Chemistry. II;* (3). Assistant Professor WASHBURN

Prerequisite: Chemistry 1, 2, 3; Physics 1 or 2a; Mathematics 8a.

33. ELEMENTARY PHYSICAL CHEMISTRY.—Molecular weight of gases and solutions; chemical equilibrium; the electrical conductivity of solutions and the attendant phenomena within the solution; thermochemistry. (Laboratory to accompany course 31.) *II;* (2). Dr. JONES, Dr. MACINNES

Prerequisite: Chemistry 5a; Physics 2b or 3.

35. ELECTROCHEMISTRY.—Electrochemistry in the industries; patents in selected industries. Lectures; recitations; laboratories;

reports. Thompson's *Applied Electrochemistry*. *I;* (3 or 5.) (See also chemistry 102b.) Dr. JONES

Prerequisite: Chemistry 32, 33.

61. INORGANIC PREPARATION.—The preparation of chemical products from raw materials; manufacture and testing of pure chemicals; fractionation; other processes of the manufacturing chemist. Laboratory. *II;* (2). Assistant Professor MCFARLAND

Prerequisite: Chemistry 5a.

65. TECHNICAL GAS AND FUEL ANALYSIS.—Examination of gases, gas mixtures, flue gases, and fuels; determination of calorific values; calculation of efficiencies. *I;* (2). Professor PARR, Dr. JESSE

Prerequisite: Chemistry 5a.

66. TECHNOLOGY OF GASES.—The manufacture, constituents, and uses of the various forms of gaseous fuel; calorimetry; photometry; the more usual methods of analysis. Lectures; reading; reports; laboratory. *II;* (1). Dr. JESSE

Prerequisite: Chemistry 65.

68a. ANALYSIS OF GLASSES AND GLAZES.—Special problems connected with the pottery industry. (For students in ceramics.) *I;* (3). Professor BARTOW

Prerequisite: Chemistry 5b.

68b. CEMENT CHEMISTRY.—The analysis of cements; cement materials; pottery bodies. (For students in ceramics.) *I;* (3). Professor BARTOW

Prerequisite: Chemistry 5b.

69. ASSAYING.—The fire assay of lead, gold, and silver ores. Fluxes; reagents; charges; typical ores; practice in use of the crucible and muffle furnaces and in the manipulations connected with fire assaying. *I;* (2). Assistant Professor MCFARLAND

Prerequisite: Chemistry 5a and Geology 5.

70. ADVANCED ASSAYING AND ORE TESTING.—The assay of ores of platinum, tin, copper; bullion assay; free milling, amalgamation, and cyaniding tests. (A continuation of Chemistry 69.) *II;* (2). Assistant Professor MCFARLAND

Prerequisite: Chemistry 69.

71. WET METHODS OF ASSAY.—Technical methods for copper, lead, zinc, antimony, arsenic, tin in ores and metallurgical products. Laboratory. *I;* (2). Assistant Professor MCFARLAND

Prerequisite: Chemistry 5b.

72. PAINTS, OILS, TURPENTINES, VARNISHES, AND PROTECTIVE COVERINGS FOR WOOD AND METALS.—Lectures; laboratory. *I;* (2).
Professor PARR

Prerequisite: Chemistry 5b, 14.

93. JOURNAL MEETING.—(For juniors, seniors, and graduates.) *I, II;* (1). All members of the teaching staff in the chemical department.
For Juniors, Dr. SMITH
For Seniors, Assistant Professor CURTISS

COURSES FOR GRADUATES

Graduate students whose major subject is in some department other than chemistry, before taking graduate work for credit in this department must have had the equivalent of 15 University credits in chemistry, and the work covered must have included satisfactory work in general chemistry and in qualitative and quantitative analysis. Such students are advised to take Chemistry 31, 33, 102, 102a, 5b, 5c, 14, 9a and 9b. Courses of a more special nature will not, as a rule, be accepted for graduate work unless preceded by one of the above courses.

For students in Agriculture, Chemistry 5a and 13a will not be accepted for graduate credit.

Graduate students who are candidates for an advanced degree in chemistry must have had the equivalent of 30 University credits in chemistry, and this must include satisfactory courses in general chemistry, qualitative and quantitative analysis, physical chemistry and organic chemistry. Before receiving the degree of Doctor of Philosophy such students are expected to complete work equivalent to courses 31, 33 (or 102 and 102a), 14, 9a, 9b, 101, and 111. They are advised to take at least brief courses in gas analysis, iron and steel analysis, water analysis, assaying, and chemical technology.

For students in chemistry, 5a, 13a, 9, and 9c will not be accepted for graduate credit and 9a, 9b, 14, 31 and 33 will be accepted only from students entering the Graduate School with the equivalent of 30 University credits in chemistry.

101. HISTORY AND THEORIES OF CHEMISTRY.—*Twice a week; I.*
Dr. SMITH

102. ADVANCED PHYSICAL CHEMISTRY.—*Twice a week; I, II.* (This course and course 102a are intended to cover a period of two years.)
Assistant Professor WASHBURN

Prerequisite: Chemistry 1, 2; Physics 1, 3; Mathematics 8a or

7 and 9. An elementary knowledge of organic and physical chemistry is desirable.

[Not given in 1911-12.]

102a. ADVANCED PHYSICAL CHEMISTRY.—Chemical equilibrium; the Phase Rule; certain portions of thermochemistry; photochemistry; the thermodynamics of electrochemistry. (This course is a continuation of 102, with which it alternates.) Nernst's *Theoretische Chemie. Twice a week; I, II.* Assistant Professor WASHBURN

Prerequisite: The same as course 102.

102b. ADVANCED ELECTROCHEMISTRY.—The modern theories of solution and the principles of thermodynamics in their application to the problems of electrochemistry; electrolytic conductivity and transference; electro-motive force; the energy principles underlying the transformation of chemical and electrical energy; the recent advances in the electrolysis of fused electrolytes and the applications of electricity to gaseous reactions at high temperature. LeBlanc's *Electrochemistry. Three times a week; II.* Dr. JONES

(Open to undergraduates having the necessary preparation.)

Prerequisite: Chemistry 31, 33; Mathematics 8a or 7 and 9.

102c. ADVANCED PHYSICAL AND ELECTROCHEMISTRY.—The applications of physico-chemical methods to special problems. Laboratory. *Twice a week; I.* Assistant Professor WASHBURN, Dr. JONES

Prerequisite: Chemistry 31, 33; registration in Chemistry 102b, or completion of Chemistry 102, 102a, or 102b; Mathematics 8a or 7 and 9.

102e. SPECIAL TOPICS IN PHYSICAL CHEMISTRY.—Seminar. Subject for 1911-12:—Colloid Chemistry and the Ultramicroscope. This will include some laboratory work with the ultramicroscope. Instruments of both the ordinary and the cardioid types are available for the work of this course. *Freundlich's Kapillarchemie, Ostwald's Grundriss der Kolloidchemie.* Subject for 1912-1913: Rela tions Between Chemical Constitution and Physical Properties. Smile's *Chemical Constitution and Physical Properties. Once a week; I.* Assistant Professor WASHBURN

Prerequisite: Chemistry 102 or 102a.

103. ADVANCED INORGANIC CHEMISTRY.—Descriptive inorganic chemistry; the rarer elements; the periodic system. Lectures, with or without laboratory. *Two to five times a week; I, II.*

Assistant Professor BALKE

103a. ADVANCED ANALYTICAL CHEMISTRY.—Special topics. Lectures, with or without laboratory. *One to five times a week; II.*
Dr. BURGESS

Prerequisite: Chemistry 5b, 9a, 9b, 14, 31, 33.

103b. SPECIAL TOPICS IN INORGANIC CHEMISTRY.—Seminar. Subject for 1911-12: The Theories and Investigations of Werner. Werner: *Neuere Anschauungen auf dem Gebiete der anorganischen Chemie. Once a week; I, II.* Dr. SMITH

104. ADVANCED ORGANIC CHEMISTRY.—Special chapters. Recent research methods in condensations, carbohydrates, fermentation and enzyme action, the purine group, the proteins, isomeric change, the relation of color to chemical constitution; alkaloids. Lectures. *Twice a week; I.* Assistant Professor CURTISS

Prerequisite: Chemistry 9 and 14.

104a. ADVANCED THEORETICAL ORGANIC CHEMISTRY.—Application of the principles of physical chemistry. Lectures; seminar. Cohen: *Advanced Organic Chemistry.* Smiles: *Correlation of Physical Properties and Chemical Constitution. Twice a week; I, II.*

105. ADVANCED PHYSIOLOGICAL CHEMISTRY.—Selected portions of physiological chemistry not covered by Chemistry 15. Lectures; conferences; demonstrations; assigned readings. (Open to graduates or undergraduates.) *Three times a week; II.* Professor HAWK

Prerequisite: Chemistry 15.

105a. ADVANCED PHYSIOLOGICAL CHEMISTRY.—Special topics. Laboratory. *Two to seven times a week; II.* Professor HAWK, Dr. HOWE

Prerequisite: Chemistry 15.

106. ANIMAL CHEMISTRY.—The recent advances in the chemistry of nutrition of the lower animals; the chemistry of the functional products: the flesh, fat, milk, and wool of the more common domesticated animals. Lectures. *Twice a week; I, II.*
Professor GRINDLEY

Prerequisite: Two years' work in chemistry.

107. CALORIMETRY OF FUELS.—Methods for determining the heat values of solid, liquid, and gaseous fuels. *One to three time a week; I, II.* Professor PARR

107a. COMPOSITION AND CLASSIFICATION OF COAL.—Classification, changes in composition, weathering, spontaneous combustion, formation of mine gases. Lectures; assigned readings. *Once a week; II.* Professor PARR

Prerequisite: Chemistry 65.

108. METALLOGRAPHY.—The constitution and microstructure of metals and alloys; the relations between their properties, chemical and mechanical treatment, and structure. Lectures; reading; laboratory. *Twice a week; II.* Assistant Professor MCFARLAND

Prerequisite: Chemistry 7.

110. WATER SUPPLIES.—The sources of contamination of water supplies and the purification of water for potable or technical use. *Five times a week; I, II.* Professor BARTOW

111. THESIS WORK.—A thesis will usually be required of students taking the Master's degree and will always be required of students taking the degree of Doctor of Philosophy. (For a description of undergraduate work leading to a thesis, see Chemistry 11.)

Work may be taken in the following subjects:

PHYSICAL AND ELECTROCHEMISTRY	Assistant Professor WASHBURN, Dr. JONES
INORGANIC CHEMISTRY	Assistant Professor BALKE, Dr. SMITH
ANALYTICAL CHEMISTRY	Dr. BURGESS
FOOD CHEMISTRY	Dr. BEAL
ORGANIC CHEMISTRY	Professor NOYES, Assistant Professor CURTISS, Dr. DERICK
WATER ANALYSIS AND SANITARY CHEMISTRY	Professor BARTOW
ANIMAL CHEMISTRY	Professor GRINDLEY
PHYSIOLOGICAL CHEMISTRY	Professor HAWK
INDUSTRIAL CHEMISTRY	Professor PARR, Assistant Professor MCFARLAND, Dr. JESSE

CIVIL ENGINEERING

23 -4

IRA OSBORN BAKER, C.E., D. Eng., *Professor*

FRANK OLIVER DUFOUR, C.E., *Assistant Professor, Structural Engineering*

*CHARLES WESLEY MALCOLM, C.E., *Assistant Professor, Structural Engineering*

JAMES ELMO SMITH, C.E., *Associate*

CARROL CARSON WILEY, B.S., *Instructor*

JOHN JEFFERSON RICHEY, B.S., *Instructor*

GEORGE WELLINGTON PICKELS, JR., B.C.E., *Instructor*

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*On leave.

Archie Reed Alger, B.S., *Instructor*
Neal Bryant Garver, B.S., *Instructor*
Raymond Earl Davis, B.S., *Instructor*
Lockwood Janes Towne, B.S., *Instructor*
Frank M. Okey, B.C.E., *Instructor*
William Horace Rayner, B.S., *Instructor*

1. Roads and Pavements.—Road improvement in country highways; means of securing it; construction of earth, gravel, and macadam roads; methods of construction, cost, durability, and desirability of the various kinds of pavement; grades; cross-sections; assessment of cost; maintenance and cleaning. Baker's *Roads and Pavements. II;* (2). Mr. Pickels, Mr. Wiley

Prerequisite: Mathematics 4; General Engineering Drawing 1, 2; Civil Engineering 21, 22, 23.

4. Railroad Surveying.—The principles of economic location and the construction of railways; railway appliances and maintenance-of-way practice. Field practice: Preliminary and location surveys of a line of railroad of sufficient length to secure familiarity with the methods of actual practice. Each student makes a complete set of notes, maps, profiles, calculations and estimates. Nagle's *Field Manual for Railroad Engineers. I;* (5).

Mr. Smith, Mr. Pickels, Mr. Wiley

Prerequisite: Civil Engineering 21, 22, 23.

4a. Railroad Surveying.—The first eleven weeks of course 4, for students in municipal and sanitary engineering. *I;* (3).

5r. Masonry Construction.—Baker's *Masonry Construction. I;* (4). Professor Baker, Assistant Professor Dufour, Mr. Richey

Prerequisite: Theoretical and Applied Mechanics 7, 8, 9, 10; Civil Engineeering 20.

5*l*. Cement Laboratory Practice. Waterbury's *Cement Laboratory Manual. I;* (1). Mr. Richey

Prerequisite: Theoretical and Applied Mechanics 7, 8, 9, 10; Civil Engineering 20; registration in 5r.

6. Masonry and Reinforced Concrete Design.—*II;* (2).

Mr. Smith, Mr. Towne, Mr. Okey

Prerequisite: Civil Engineeering 5.

10. Surveying.—Areas with chains and compass; U. S. public land surveys; principles of re-establishing corners; use of transit in finding distance, areas, and in laying out buildings; use of the

level in finding profiles and contours. (For students in architecture, architectural engineering, electrical engineering, and mechanical engineering.) Pence and Ketchum's *Surveying Manual; II;* (2).

Mr. Pickles, Mr. Wiley

Prerequisite: Mathematics 4; General Engineering Drawing 1, 2; Physics 1, 3.

12. Bridge Analysis.—The computation of the stresses in the various forms of bridge trusses, by algebraic and graphic methods, under different conditions of loading. Merriman and Jacoby's *Roofs and Bridges, Part Two;* Dufour's *Bridge Engineering, Part One. I;* (2). Assistant Professor Dufour, Mr. Garver

Prerequisite: Theoretical and Applied Mechanics, 7, 8, 9, 10; and for civil engineering students, Civil Engineering 20, and for architectural engineers, Architecture 5.

13. Bridge Details.—Tracing of shop drawing of bridge; critical report upon each element of the design; computation of the cost of the bridge; forms of details employed by leading designers. *I;* (3).

Assistant Professor Dufour, Mr. Garver, Mr. Okey

Prerequisite: Civil Engineering 12 and free-hand sketches, with dimensions, showing full details of a bridge measured by the student.

13a. Bridge Details.—Part of course 13 above for municipal and sanitary engineering and architectural engineering students. *I;* (2).

13b. Structural Details.—*I;* (2).

[Not given in 1911-12.]

14. Bridge Design.—Individual design of a railroad plate girder and a truss span, with sections proportioned and details worked out, followed by a complete set of drawings. Dufour's *Bridge Engineering, Part Two. II;* (5).

Assistant Professor Dufour, Mr. Garver, Mr. Okey

Prerequisite: Civil Engineering 12, 13.

14a. Bridge Design.—Part of course 14 above, for municipal and sanitary engineering students. *II;* (2).

14b. Structural Design.—Part of course 14 above, for municipal and sanitary engineering students. *II;* (2).

14b. Structural Design.—*II;* (2).

[Not given in 1911-12.]

15. Advanced Bridge Analysis.—The computations of stresses and deflections of continuous, draw, cantilever, suspension, and metal-

arch bridges; the statically-indeterminate stresses of framed structures. Merriman and Jacoby's *Roofs and Bridges, Part Four. II;* (2). Assistant Professor DUFOUR, Mr. GARVER, Mr. OKEY

16. ENGINEERING CONTRACTS AND SPECIFICATIONS.—The law of contract; examples of general and technical clauses used in engineering specifications. Johnson's *Engineering Contracts and Specifications. II;* (2).
Assistant Professor DUFOUR, Mr. SMITH, Mr. GARVER

Prerequisite: Civil Engineering 5, 12, 13; Municipal and Sanitary Engineering 2, 3.

18. TUNNELING.—The principles of tunneling; methods of constructing the more noted tunnels. Stauffer's *Modern Tunnel Practice. II;* (1). Assistant Professor DUFOUR, Mr. TOWNE, Mr. GARVER

Prerequisite: Mechanical Engineering 1, 11; Chemistry 1; Physics 1, 3; Theoretical and Applied Mechanics 7, 8, 9, 10; Civil Engineering 5, 12, 13, 14.

20. GRAPHIC STATICS.—Elements of graphic statics and applications in designing structures. Malcolm's *Elements of Graphic Statics. II;* (2). Mr. RICHEY

Prerequisite: Mathematics 2, 4, 6; Theoretical and Applied Mechanics 7, 8, 9, 10; General Engineering Drawing 1, 2.

21. SURVEYING.—The theory, use, and adjustment of the compass, level, transit, plane table, and sextant. Field work; the determination of distances by pacing and with the chain and tape; the determination of areas with the compass, transit, and plane table; profile leveling. The U. S. land survey methods, and court decisions relating to the re-establishment of corners, boundaries, partition of land, interpretation of deeds, and in city and farm surveying. Tracy's *Plane Surveying;* Pence and Ketchum's *Surveying Maunal. I;* (5).
Mr. ALGER, Mr. RAYNER, Mr. DAVIS

Prerequisite: General Engineering Drawing 1, 2; Mathematics 4.

22. TOPOGRAPHIC SURVEYING.—The theory and use of the stadia and other instruments used in making a topographical survey; methods; topographic drawing; a complete topographic survey based on a system of triangulation including the calculations, and platting and completing the map; precise measurement of bases and angles. Tracy's *Plane Surveying;* Pence and Ketchum's *Surveying Manual. II;* (4). Mr. ALGER, Mr. RAYNER, Mr. DAVIS

Prerequisite: Civil Engineering 21; General Engineering Drawing 1, 2; Mathematics 4.

23. RAILROAD CURVES.—The geometry of the circle as applied to railroad curves; the methods of locating curves in the field. Nagle's *Field Manual for Railroad Engineers. II;* (1).
Mr. ALGER, Mr. RAYNER, Mr. DAVIS

Prerequisite: Civil Engineering 21, 22; General Engineering Drawing 1, 2; Mathematics 4. Taken with C. E. 22.

24. METAL STRUCTURES.—The design and calculation of stresses in mill and steel-skeleton buildings. Ketchum's *Steel Mill Buildings* and lectures. *I;* (1). Mr. TOWNE

Prerequisite: Civil Engineering 12, 13, 20.

25. SEMINAR.—Reading and discussion of papers. Each student presents one major and two minor papers upon assigned topics, and participates in the discussion of other papers. *II;* (1).
Professor BAKER

Prerequisite: Full senior standing in Civil Engineering.

30. THESIS.—First semester: Preliminary work, with weekly conferences; second semester: Specified hours for work and conferences. *I;* (1); *II;* (2). Instructor assigned by Professor BAKER

Prerequisite: Full senior standing in Civil Engineering.

COURSES FOR GRADUATES

Entrance upon graduate work in civil enginering presupposes the full undergraduate course in that subject.

107. BRIDGE DESIGN.—The determination of the stresses in swing, cantilever, and suspension bridges; structural details; shop equipment; methods of fabrication. Inspection of and report upon bridge shops or work in progress. *Three times a week; I or II.*
Assistant Professor DUFOUR

110. METALLIC BUILDING CONSTRUCTION.—The design of the metal skeleton of buildings for various purposes. Conferences, problems, and inspection of construction work in progress. *Three times a week; I or II.* Assistant Professor DUFOUR

115. REINFORCED CONCRETE DESIGN.—The materials, design, forms, and erection of reinforced-concrete structures. *Three times a week; I or II.* Assistant Professor DUFOUR

129. General Engineering Experience.—The practical experience of graduates of the University of Illinois in actual engineering work. To obtain credit, the student may be required to submit reports, designs, etc. Professor Baker

THE CLASSICS

Herbert Jewett Barton, A. M., *Professor, Chairman*
Charles Melville Moss, Ph. D., *Professor*
William Abbott Oldfather, Ph. D., *Associate Professor, Secretary*
Arthur Stanley Pease, Ph. D., *Assistant Professor*
Howard Vernon Canter, Ph. D., *Associate*

Majors

The requirements for a major in the classics have been defined as follows:

A major in the classics shall consist of 30 hours in Greek and Latin, of which at least 12 shall be in the secondary language, and the remaining 18 in the primary language. Only those courses may count toward the major in the classics which count toward a major in Latin and Greek respectively.

A major in Greek consists of 24 hours, not including Greek 1, 17, 18, 19.

A major in Latin consists of 24 hours, not including Latin 12. Latin 1 may be counted for half credit only.

Honors

For honors in Greek the major shall be the ordinary one of 24 hours, as defined above; the minor shall be Latin and one other foreign language, or history, or philosophy, or English literature. Neither minor shall consist of less than 9 hours, and the two together must aggregate not less than 24 hours. No course may be counted toward these minors which is not counted toward a major by the department concerned.

For honors in Latin the major shall consist of 24 hours and shall include Latin 14 and 16; the minor shall be at least one other foreign language, preferably Greek, and one of the following: English literature, a modern language, history, or philosophy, with the same conditions as in the case of Greek.

GREEK

11 – 4

COURSES FOR UNDERGRADUATES

Courses 1 to 4 inclusive are designed to meet the needs of students who cannot present Greek for entrance and yet wish to study the language.

1. Beginning Greek: Grammar and Reader.—Xenophon's *Anabasis*, book 1. *I, II;* (4). Dr. Canter

3. Xenophon.—*Anabasis*, books II-IV. *I;* (4). Associate Professor Oldfather

Prerequisite: Greek 1.

4. Homer.—Six books of the *Iliad*. *II;* (4). Associate Professor Oldfather

Prerequisite: Greek 3.

5. Herodotus: The Lyric Poets.—*I;* (3). Professor Moss
Prerequisite: Greek 4.
[Not given in 1911-12.]

6. Thucydides.—Books VI-VII. *II;* (3). Assistant Professor Pease

Prerequisite: Greek 5 or 7.
[Not given in 1911-12.]

7. The Drama.—*I;* (3). Professor Moss
Prerequisite: Greek 4.
[Not given in 1911-12.]

8. Plato.—Selected dialogues, including *Phaedo;* the *Apology*. *II;* (3).

Prerequisite: Greek 5 or 7.

14. Advanced Greek Prose Composition.—*II;* (1). Professor Moss

Prerequisite: Greek 6 or 8.

GREEK LIFE AND LITERATURE IN ENGLISH

(Courses 16-20 presuppose no knowledge of Greek and are open to all students except freshmen.)

16. The Private and Public Life of the Greeks.—Lectures, illustrated by photographs and slides; prescribed readings. *I;* (1). Professor Moss

17. Greek Poetry in Translations.—*I;* (2). Professor Moss

18. Greek Prose in Translations.—*II;* (2). Professor Moss

19. GREEK DRAMA IN TRANSLATIONS.—*II;* (2). Professor MOSS

20. HISTORY OF GREECE.—*I;* (3). (This course is described by the department of history as History 5.)
Assistant Professor PEASE
Prerequisite: One course in History or the Classics

COURSE FOR ADVANCED UNDERGRADUATES AND GRADUATES

21. BEGINNING GREEK.—Elementary Composition and Grammar; lectures on Greek Literature. *I, II;* (4). Professor MOSS

COURSES FOR GRADUATES

Preparation for graduate work in Greek should include two years of college Greek in addition to entrance requirements.

103. PRINCIPLES OF COMPARATIVE GRAMMAR.—This course may be counted either for Greek or Latin credit. *Three times a week; I.*
Dr. CANTER

104. HOMER AND THE HOMERIC QUESTION.—*Twice a week; I, II.*
Associate Professor OLDFATHER
[Alternates with 105. Not given in 1911-12.]

105. PLATO AND ARISTOTLE.—*Twice a week; I, II.*
Associate Professor OLDFATHER

106. GREEK DRAMA.—*Twice a week; I, II.* Professor MOSS

107. GREEK ORATORY.—*Twice a week; I, II.* Professor MOSS

108. HELLENISTIC GREEK.—*Twice a week; I, II.* Professor MOSS
[Not given in 1911-12.]

LATIN

14-7

FIRST-YEAR COURSES

1. PLINY AND VERGIL.—Selections from Pliny's *Letters* and the *Aeneid. I, II;* (4). Assistant Professor PEASE, Dr. CANTER
Prerequisite: Three entrance units in Latin.

2. LIVY, PLAUTUS, AND TERENCE.—Selections from Livy; the *Captivi* of Plautus; the *Phormio* of Terence. *I, II;* (4).
Professor BARTON
Prerequisite: Four entrance units in Latin.

SECOND-YEAR COURSES

3. SALLUST AND CICERO.—Selections from the *Jugurthan War; De Senectute. I;* (3). Dr. CANTER

Prerequisite: Latin 2.

4. CATULLUS AND CICERO.—Selections from the lyrics of Catullus and the *Odes* of Horace. Professor BARTON

Prerequisite: Latin 2.

5. LATIN COMPOSITION.—Grammatical drill; practice in the simpler forms of expression. *I, II;* (1). Dr. CANTER

Prerequisite: Latin 1 or equivalent.

ROMAN LIFE AND LITERATURE IN ENGLISH

(Courses 12 and 13 presuppose no knowledge of Latin; open to all students except freshmen.)

12. VERGIL AND HORACE IN ENGLISH TRANSLATIONS.—*I;* (1). Professor BARTON

13. ROMAN LIFE.—The family; amusements; education; morals; society; monuments. Lectures, illustrated by photographs and slides. *II;* (1). Professor BARTON

19. ROMAN HISTORY.—*II;* (3). (This course is described by the department of history as History 6.) Dr. CANTER

Prerequisite: One course in History or the Classics.

COURSES FOR ADVANCED UNDERGRADUATES

7. HORACE AND JUVENAL.—Selections from the *Satires* and *Epistles* of Horace; selected *Satires* of Juvenal. *I;* (3). Associate Professor OLDFATHER

Prerequisite: 12 hours' credit in Latin.

8. TACITUS.—The *Annals,* books I-VI. *II;* (3). Assistant Professor PEASE

Prerequisite: 12 hours' credit in Latin.

9. TEACHERS' COURSE.—The purpose and methods of preparatory Latin instruction; the teacher's preparation. *II;* (1). Professor BARTON

Prerequisite: 18 hours' credit in Latin. A portion of this requirement waived for those who have taught Latin.

10. LATIN COMPOSITION.—The leading principles; imitation of assigned models. *I;* (2). Professor BARTON

Prerequisite: 12 hours' credit in Latin, including Latin 5 or its equivalent.

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

14. Seneca.—Selections from his essays, letters, and tragedies. *I;* (3). Professor Barton

Prerequisite: 18 hours' credit in Latin.

16. Martial and Suetonius.—Selections. *II;* (3). Associate Professor Oldfather

Prerequisite: 18 hours' credit in Latin.

COURSES FOR GRADUATES

Students desiring to take graduate work in Latin should have had at least three years of college Latin in addition to the Latin presented to meet entrance requirements.

101. Principles of Comparative Grammar.—(The same as Greek 103.) *Three times a week; I.* Dr. Canter

103. Cicero.—*De Natura Deorum* and *De Divinatione. Twice a week; I.* Assistant Professor Pease

104. Palaeography.—*Once a week; I.* Assistant Professor Pease

105. Latin Poetry.—*Twice a week; II.* Assistant Professor Pease

106. Comedy.—*Twice a week; I, II.* Associate Professor Oldfather

107. Epigraphy.—*Twice a week; II.* Assistant Professor Pease

108. Tacitus.—The Histories. *Twice a week; II.* Professor Barton

COMMERCIAL LAW

(See Accountancy and Economics.)

DAIRY HUSBANDRY 11-3

Wilbur John Fraser, M. S., *Professor*

Burt Ransom Rickards, B. S., *Associate Professor, Municipal and Sanitary Dairying*

Cassius Clay Hayden, M. S., *Assistant Professor, Dairy Husbandry*

Nelson William Hepburn, M. S., *Associate, Dairy Manufactures*

Royden Earl Brand, B. S., *Associate, Dairy Husbandry*

LeRoy Lang, M. S., *Instructor, Dairy Manufactures*

William Truman Crandall, B. S., *Instructor, Milk Production*

Homer Elkanah McNatt, B. S., *Instructor, Municipal and Sanitary Dairying.*

Ray Stillman Hulce, B. S. A., *Assistant, Milk Production*

Oliver Arnold Keller, B. S., *Assistant, Dairy Manufactures*

James Pugh Terry, B. S., *Assistant, Dairy Manufactures*

1. Milk.—Secretion; character; composition; Babcock test; lactometer; acid tests; tests for purity and adulteration. Lectures; reference readings; laboratory. *I; first or second half;* (3). Mr. Hepburn, Mr. Lang

2. Dairy Cattle.—Characteristics of the cow, especially of the dairy type; improvement of the herd through testing; details of the test; value of continued use of pure-bred sires; rearing young stock for the dairy herd. Letcures; assigned readings; recitations; judging. *I; first half;* (2½). Mr. Crandall

7. Factory Management.—Special problems in the manufacture of butter and cheese; private and co-operative management of creameries and cheese factories; locating, planning, building, equipping, and operating plants; sanitation and products. Lectures; assigned readings; laboratory work. (For creamery butter makers, and others wishing a more extended course.) *II; second half;* (3). Mr. Hepburn, Mr. Lang

Prerequisite: Dairy Husbandry 19.

8. City Milk Supply.—Handling and preparing milk and cream for direct consumption; preventing contamination; pasteurizing; standardizing; modifying; bottling; transporting; delivering; certified milk; value of milk as food; milk commissions; legal requirements of cities and states. Lectures; reference readings; laboratory. *II; first half;* (2½.) Associate Professor Rickards, Mr. McNatt

Prerequisite: Dairy Husbandry 1; Botany 5 or 12.

11. Dairy Bacteriology.—Bacteria and the dairy industry; sources, extent, and prevention of contamination; bacteria and the changes in milk; effect of handling and temperature upon the bacterial content; bacteria in the manufacture of butter and cheese. Laboratory work; lectures; assigned readings. *II; second half;* (2½). Associate Professor Rickards

Prerequisite: Dairy Husbandry 1; Botany 5.

12. INVESTIGATION AND THESIS.—(5-10).

Professor FRASER, Associate Professor RICKARDS, Assistant Professor HAYDEN, Mr. HEPBURN

16. FEEDING AND CARE OF HERD.—Compounding rations for dairy cows; individual practice in feeding; housing and care of the herd; arrangements and construction of dairy barns, silos, and yards. *I; second half;* (2½). Assistant Professor HAYDEN

Prerequisite: Animal Husbandry 21.

17. PURE-BRED HERDS.—History of dairy breeds; characteristics; adaption to climatic conditions and economical purposes; importance of environment and food in improvement of dairy cattle; important families and breeds; heredity; selection of sires; weeding out and disposal of females and surplus stock; scoring with the breed standards. Lectures; assigned readings; recitations. *II; second half;* (2½). Mr. CRANDALL

Prerequisite: Dairy Husbandry 2.

19. BUTTER MAKING.—Systems of creaming milk; efficiency of cream separators under varying conditions; pasteurization; the use of different kinds of lactic ferments; ripening cream; churning; working; packing and scoring butter. *II; first half;* (3). Mr. HEPBURN, Mr. LANG

Prerequisite: Dairy Husbandry 1.

20. COMPARATIVE DAIRYING.—Dairying in the United States and foreign countries; its magnitude and relation to other lines of farming; influence of soil, climate, market conditions, and location in determining special lines of dairy development; experiment station literature. Lectures; assigned readings. *II; first half;* (3). Assistant Professor HAYDEN

Prerequisite: Two years of university work.

21. ECONOMIC MILK PRODUCTION.—Difference in efficiency of individual cows; relation of the cow and the herd to the profits; how to establish and perpetuate a dairy herd of the highest efficiency; comparison of different rations for economic milk production; crops on a dairy farm and the economy of the ration; organization of a dairy farm; producing and disposing of milk at the greatest possible profit. *II;* (5). Professor FRASER, Mr. BRAND

Prerequisite: Dairy Husbandry 1, 2, 16.

COURSES FOR GRADUATES

101. ECONOMIC MILK PRODUCTION.—Differences in the efficiency

of dairy cows; cause and effect of the same; successful dairy farming. *Twice a week; I, II.* Professor Fraser

102. Research.—The investigations in progress in the dairy herds of the state. *Twice a week; I, II.* Professor Fraser

103. Research.—Dairy feeding problems. *Twice a week; I, II.* Professor Fraser

DRAWING, GENERAL ENGINEERING

Harry Willard Miller, M.E., *Associate*
Francis Marion Porter, M.S., *Instructor*
Robert Kent Steward, C.E., *Instructor*
Harold Ordway Rugg, C.E., *Instructor*
Harvey H. Jordan, B.S., *Instructor*
Roy Rudy Carter, *Assistant*

1. Elements of Drafting.—Lettering; isometric and oblique drawing; orthographic projection; machine sketching; working drawings. Lettering: mechanical styles and the making of name plates and titles for mechanical drawings. Mechanical drawing: 12 plates from copy, with tracings of each, and 6 plates from models, with tracings of each. Dimensioned sketches from parts of standard machines, followed by complete working drawings. Tracings duplicated in blue-print form. Time sketches of the equipment in the shops and laboratories. Miller and Steward's *Notes on Mechanical Drawing;* Miller & Steward's *Plate Specifications. I;* (4).

Mr. Miller, Mr. Steward, Mr. Porter, Mr. Rugg, Mr. Jordan, Mr. Carter

2. Descriptive Geometry.—The point, line, and plane; the properties of surfaces; intersections and developments. (For architects, perspective instead of intersections and developments.) Practical problems. Recitations precede the work in the drawing room at each period. Three drawing room plates, 2 hours each, 5 problems per plate, and 2 home plates, 5 problems each, constitute each week's work. Miller's *Descriptive Geometry. II;* (4).

Mr. Miller, Mr. Steward, Mr. Porter, Mr. Rugg, Mr. Jordan, Mr. Carter

Prerequisite: Solid Geometry.

ECONOMICS

26-9

(See also ACCOUNTANCY, HISTORY, POLITICAL SCIENCE, and SOCIOLOGY.)

DAVID KINLEY, Ph.D., LL.D., *Professor*
MAURICE HENRY ROBINSON, Ph.D., *Professor*
ERNEST RITSON DEWSNUP, A.M., *Professor*
ERNEST LUDLOW BOGART, Ph.D., *Associate Professor*
NATHAN AUSTIN WESTON, Ph.D., *Assistant Professor*
JOHN CHRISTIE DUNCAN, Ph.D., *Assistant Professor*
SIMON LITMAN, Ph.D., *Assistant Professor*
JOHN GIFFIN THOMPSON, Ph.D., *Instructor*
JOHN KER TOWLES, Ph.D., *Instructor*
OSCAR ROSS MARTIN, A.B., *Assistant*
GEORGE WILLIAM DOWRIE, A.M., *Assistant*
CHARLES WHAM, *Student Assistant*

The department of economics includes general economics, economic history, finance, commerce, commercial law, industry, railway administration, and accountancy.

Courses 7, 22, 26, and 27, English Economic History, the Economic History of the United States, Economic Resources, and Modern Industries, are open to freshmen without previous requirement. Courses numbered 101 and above are open to graduate students only.

Courses 4, 10, 11, 12, 21, 29, 31, 35, 43, 44, 45, and 47 are open to graduates and advanced undergraduates.

Honors

For honors in economics, at least thirteen of the twenty-four hours required in the major subject shall be in courses requiring Economics 1 as a prerequisite.

One of the minors shall be selected from the following subjects: history, political science, sociology, and accountancy. The other minor shall be selected with the approval of the department.

1. PRINCIPLES OF ECONOMICS.—*I;* (5).

Assistant Professor WESTON and others

Prerequisite: Thirty hours of University work.

2. PRINCIPLES OF ECONOMICS.—(Section A open to junior and

senior science and engineering students only; section C open to junior and senior agricultural students only.) *I, II;* (2).

I; Professor KINLEY, Dr. THOMPSON

II; Professor ROBINSON, Assistant Professor LITMAN, Dr. THOMPSON

3. MONEY AND BANKING.—The history and theory of money, credit, and banking. *II;* (3).

Assistant Professor WESTON and others

Prerequisite: Economics 1.

4. FINANCIAL HISTORY OF THE UNITED STATES.—*II;* (3).

Assistant Professor WESTON

Prerequisite: Economics 3; History 3.

[Not given in 1911-12.]

5. PUBLIC FINANCE.—Public expenditures; financial administration; taxation; public debts. *I;* (3). Associate Professor BOGART

Prerequisite: Economics 1, 3; Political Science 1.

6. BUSINESS ORGANIZATION.—The characteristics and relative advantages of the individual proprietorship, the partnership, and the corporation; organization for operating purposes and the effect of the organization on business and technical efficiency; organization and work of commercial and industrial associations. (Open to students in Business Administration only.) *II;* (2).

Professor ROBINSON

Prerequisite: Economics 1; completion of or registration in Economics 3.

7. ENGLISH ECONOMIC HISTORY.—The industrial development of England; the manorial system; the period of the gilds; the commercial policy and expansion of the seventeenth and eighteenth centuries; the industrial and manufacturing growth of the nineteenth century. (Open to freshmen and sophomores only.) *I;* (3).

Associate Professor BOGART

8. THE MONEY MARKET.—Dealings in money and credit; the functions of money broker and banker; the concentration of financial dealings at such centers as New York and London; international payments and the determination of rates of foreign exchange; the seasonal demands for money; causes of fluctuation in rates of discount; monetary panics and crises; investments; the financial aspects of dealings on the stock and produce exchanges. (Open to students in Business Administration only.) *II;* (2).

Assistant Professor WESTON

Prerequisite: Economics 9.

9. BANKING.—Practical banking in the United States. (Open to students in Business Administration only.) *I;* (2).

Assistant Professor WESTON

Prerequisite: Economics 3 and senior standing.

10. CORPORATION MANAGEMENT AND FINANCE.—The growth of corporations; their causes and forms; the promotion, financiering, incorporation, and capitalization of corporate consolidations; their organization and securities; position and relations of stockholders and directors; analysis of reports; stock speculation; relations of industrial corporations to international competition; receiverships and reorganizations; social and political effects. *I;* (3).

Professor ROBINSON

Prerequisite: Economics 1, 3.

11. INDUSTRIAL CONSOLIDATIONS.—The development of industrial consolidation; the growth of monopoly; monopoly prices and methods; the ability of trusts to affect prices, wages, interest, and profits; the proposed plans for controlling trusts. *II;* (3).

Professor ROBINSON

Prerequisite: Economics 10.

12. LABOR PROBLEMS.—The history of trade unions; internal organization; restrictions as to membership; collective bargaining; limitation of output; objections to piece work; strikes; boycotts; injunctions. *I;* (3). Dr. TOWLES

Prerequisite: Economics 1, 3.

13. ECONOMIC HISTORY OF EUROPE.—The economic history of France, Germany, and England since the period of the industrial revolution. *II;* (3). Associate Professor BOGART

Prerequisite: Sixty hours of university work, including Economics 1, 3. Students who present a statement from the department of history, showing that they are taking history as a major, may be admitted without Economics 3.

18. SENIOR SEMINAR.—Investigation in economics, commerce, and industry; the preparation of theses. (For business students and others making economics a major.) *I, II;* (4-8 *for the year*).

Professor ROBINSON

21. SOCIALISM AND SOCIAL REFORM.—The historically important socialistic theories; the socialism of Karl Marx and the resulting social movements. *II;* (3). Dr. TOWLES

Prerequisite: Economics 1, 3.

22. THE ECONOMIC HISTORY OF THE UNITED STATES.—The explorations and settlements leading to the colonization of this con-

tinent; the growth of industry, agriculture, commerce, transportation, and labor. (Open to freshmen and sophomores only.) *II;* (3).
Associate Professor Bogart

24. Statistics.—See Mathematics 23a, 31, 129.

25. Commercial Law.—(This course has hitherto been known as "Law B"). The chief principles underlying the law of contracts, negotiable instruments, agency, partnerships, business corporations, sales of personal property, bailments and carriers, guaranty and suretyship, and insurance. *I, II;* (3). Mr. Wham

Prerequisite: At least sixty hours of university credit, including Economics 1 or 2 and Accountancy 1.

26. Economic Resources.—Natural and artificial conditions affecting commercial and industrial development; the more important products and industries of different countries. (It is advisable that students taking this course elect the courses in physical geography (Geology 14 and 8) at the same time.) *I;* (3).
Assistant Professor Litman

27. Modern Industries.—The raw materials of commerce; their geographical distribution and their economic significance; the leading industries engaged in the utilization of these materials; the sources of power; the investment of capital; the employment of men and machinery; the progressive stages of production; the distribution of finished commodities. (Open to freshmen and sophomores only.) *II;* (3). Assistant Professor Litman

Prerequisite: Economics 26.

28. Mechanism and Technique of Domestic Commerce.—*I;* (3). Assistant Professor Litman

Prerequisite: Economics 1, 3, 26.

[Not given in 1911-12.]

29. Foreign Commerce and Commercial Politics.—*II;* (3).
Assistant Professor Litman

Prerequisite: Economics 28.

[Not given in 1911-12.]

30. Tariff and Customs Regulations of the United States.—The history of tariff legislation in the United States; the present tariff system; the organization and work of the custom house; entry of goods; bonded warehouses, etc. *I;* (3).
Assistant Professor Litman

Prerequisite: Economics 1, 3.

33. Economics of Insurance.—The historical development of

insurance, and an extended discussion of its economic aspects. *I;* (2). Professor ROBINSON

Prerequisite: Economics 1, 3.

34. PROPERTY INSURANCE.—Fire, marine, title, and credit insurance; corporate suretyship; their technical characteristics and economic effects. *II;* (2). Professor ROBINSON

Prerequisite: Economics 33.

35. CONSULAR AND DIPLOMATIC SERVICE.—The consular and diplomatic relations of the United States; the duties and functions of consuls in general; the foreign service of the leading commercial nations. *II;* (3). Assistant Professor LITMAN

Prerequisite: Economics 28, 29, or 30.

36. ORGANIZATION OF OCEAN COMMERCE.—The most important trade routes of the world; charter and line traffic; passenger and freight rates; governmental supervision and control of shipping; modern harbor facilities. *II;* (3). Assistant Professor LITMAN

Prerequisite: Economics 28, 29, or 30.

41. RAILWAY TRANSPORTATION.—The more general aspects of railway transportation in the United States; conditions abroad. *I;* (3). Professor DEWSNUP

Prerequisite: Economics 1, 3; for engineers, Economics 2.

42. RAILWAY ORGANIZATION.—Economics of railway location; types of organization in the United States and abroad; the divisional, departmental, and unit systems of organization; officers, their duties and qualifications; method by which uniformity and efficiency of working are secured; intercorporate relationship; reorganization. *II;* (3). Professor DEWSNUP

Prerequisite: Economics 41.

43. THE THEORY AND PRACTICE OF RAILWAY TRAFFIC ADMINISTRATION.—The method of traffic management and the principles upon which they are based. (The course continues through both semesters, registration in the second semester being permitted only to those who obtain credit in the first semester.) *I, II;* (2). Professor DEWSNUP

Prerequisite: Economics 1, 3.

45. RAILWAY OPERATION AND ITS PROBLEMS.—*I, II;* (2). Professor DEWSNUP

Prerequisite: Economics 1, 3.

[Not given in 1911-12.]

COURSES FOR GRADUATES

Every student entering upon graduate work in economics must have had a thorough course in the principles of the science and should also have studied some special part of the field of economics, such as public finance or money and banking.

The department of economics includes general economics, economic history, finance, commerce, and industry.

Complete sets of all the important French, German, English, and American economic and financial journals are on hand; ninety periodicals, foreign and domestic, in economics, finance, commerce, industry, statistics, etc., are currently received. The library is unusually strong in railroad literature, economic history, labor, finance, and general theory.

101. ECONOMIC THEORY.—*Twice a week; I, II.*
Professor KINLEY

[Not given in 1911-12.]

103. SEMINAR IN RAILWAY ADMINISTRATION.—*Once a week; I, II.*
Professor DEWSNUP

104. SEMINAR IN COMMERCE.—Present international commercial relations, with special reference to the trade conditions of the United States and the extension of her trade in foreign markets. *Once a week; I, II.* Assistant Professor LITMAN

105. PUBLIC FINANCE.—The history and theory of public revenue and expenditure. *Twice a week; I, II.* Associate Professor BOGART

106. A: THE RAILWAY DEVELOPMENT OF THE UNITED STATES.
B: THE STATE AND THE RAILWAY.
C: FOREIGN RAILWAY SYSTEMS.

The cycle of topics requires three years for the completion of the course. The topic in 1911-12 is A. *Once a week; I, II.*
Professor DEWSNUP

107. THE CORPORATION IN ECONOMIC EVOLUTION.—*Once a week; I, II.* Professor ROBINSON

[Not given in 1911-12.]

109. THEORY OF INDUSTRIAL CONSOLIDATIONS.—The nature of industrial consolidations; the conditions and causes responsible for their development and their effects upon the production and distribution of wealth. *Once a week; I, II.* Professor ROBINSON

112. LABOR PROBLEMS.—The history, structure, and policies of labor organizations; labor legislation, etc. *Twice a week; II.*
Dr. TOWLES

117. ECONOMIC HISTORY OF AGRICULTURE.—General characteristics of agriculture and its development as an industry in various countries at various times; land tenure and landed property; large, medium, and small farms or estates; economic conditions and results of extensive and intensive culture; agricultural credit and markets; agricultural labor; state of the agricultural class; organization in agriculture; relation of agriculture to other industries; relation of the state to agriculture; general aspects of farm organization and management. *Twice a week; II.* Dr. THOMPSON

118. SEMINAR. Members of the Staff

120. HISTORY OF ECONOMIC THOUGHT.—*Twice a week; I.* Dr. THOMPSON

122. ADVANCED ECONOMIC HISTORY OF THE UNITED STATES.—*Twice a week; I, II.* Associate Professor BOGART

[Not given in 1911-12.]

THEORY OF STATISTICS.—See Mathematics 129.

EDUCATION

15-1

WILLIAM CHANDLER BAGLEY, Ph.D., *Professor*

LEWIS FLINT ANDERSON, Ph.D., *Assistant Professor*

LOTUS D. COFFMAN, Ph.D., *Lecturer*

The courses of the department fall into two general divisions: courses primarily for professional training, and courses more specifically designed for general culture. The first division includes courses 1, 3, 4, 6, 9, 10, 11, 19, and 20; the second division, courses 2, 12, 13, 17, and 18. Students majoring in education will be required to take at least three hours in psychology in addition to the requirements in education. Courses 1 and 5 in physchology are especially recommended.

Honors

Candidates for honors in education must offer:

1. A minimum of 18 hours in education and 6 hours in psychology. Teachers' courses, not to exceed 3 hours in all, offered by other departments of the University, may, with the approval of the department of education, be counted as part of this requirement.

2. Minors in either (1) psychology and one subject selected from those that are usually taught in secondary schools, or (2) any two

related subjects commonly taught in secondary schools. No course may be counted toward the minimum requirement for minors which may not be counted toward the major requirement in such subjects.

INTRODUCTORY COURSES

1. Principles of Education.—The processes of education traced back to the basic principles of biology, psychology, and sociology which explain and justify them. *I;* (4). Professor Bagley

Prerequisite: Two years of University work.

2. History of Education.—The development of educational theory and educational practice in their relation to the history of civilization. *II;* (5). Assistant Professor Anderson

Prerequisite: Two years of University work.

INTERMEDIATE COURSES

3. General Method.—*II;* (3).

[Not given in 1911-12.]

10. Observation and the Technique of Teaching.—Systematic observation of classroom work in neighboring high schools; weekly conferences for the discussion of observations; two lectures each week upon the technique of teaching; preparation by students of plans illustrating types of school exercises. *II;* (3). Professor Bagley

Prerequisite: Education 1.

11. Practice Teaching.—*I or II;* (5).

[Not given in 1911-12.]

15. School Hygiene.—The hygienic aspects of school architecture and equipment; the hygiene of posture, exercise, and fatigue, and of reading and writing; the bearing of hygienic principles upon the course of study, the daily program, and other details of administration and teaching. *II;* (3). Professor Bagley

Prerequisite: Education 1.

16. Social Education.—The school as a social factor in its relation to the home, the church, and the state; relation of education to child labor, vocation, and crime; educational extension. *II;* (3). Dr. Coffman

Prerequisite: Two years of university work.

23. Agricultural Education.—*II;* (3). Assistant Professor Nolan

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

4. PROBLEMS OF EDUCATIONAL ADMINISTRATION.—The interpretation of present tendencies as exemplified in the school systems of typical cities and states, and in recent educational experiments in administration, discipline, methods, and subject-matter. *I;* (3).
Dr. COFFMAN

Prerequisite: Education 1, 2.

5. COMPARATIVE EDUCATION.—Elementary and secondary education in the United States, England, Germany, and France. *I;* (3).
Assistant Professor ANDERSON

Prerequisite: Education 1, 2.

6. PRINCIPLES OF SECONDARY EDUCATION.—High School organization and management; educational value of subjects represented in the secondary curriculum; the structure of the course of study; the technique of secondary teaching and management. *II;* (3).
Assistant Professor HOLLISTER

Prerequisite: Education 1.

12. HISTORY OF SECONDARY EDUCATION.—The development of the secondary school in Europe and in America. (Subject to the approval of the Graduate School faculty.) *I;* (2).
Assistant Professor ANDERSON

Prerequisite: Education 2.

13a. EDUCATIONAL CLASSICS.—The sources of the history of education; the educational writings of Plato, Aristotle, Quintilian, Montaigne, Milton, Locke, Rousseau. *I;* (3).
Assistant Professor ANDERSON

Prerequisite: Education 2.

13b. EDUCATIONAL CLASSICS.—(A continuation of Course 13a.) The educational theories of Pestalozzi, Herbart, Froebel, Herbert Spencer, and others. *II;* (3). Assistant Professor ANDERSON

Prerequisite: Education 2.

18. PRINCIPLES OF ESTHETIC, MORAL, AND RELIGIOUS EDUCATION. *I;* (3).

[Not given in 1911-12.]

19. THE ELEMENTARY CURRICULUM,—The functions and values of the elementary school subjects; practical exercises in the construction of school curricula. (Designed especially for superintendents and principles. Subject to the approval of the Graduate School faculty.) *I;* (3). Dr. COFFMAN

Prerequisite: Education 1.

20a. THEORY OF SUPERVISION.—The problems of supervision; the supervisor's functions in training and improving teachers. (Open only to graduate students and to seniors who are either graduates of normal schools or experienced teachers, or who are preparing for the work of supervision in special subjects, such as household science, manual training, and physical training.) *II;* (3).
Dr. COFFMAN

Prerequisite: Education 1, 6.

20b. THEORY AND PRACTICE OF SCHOOL SUPERVISION.—*II;* (5).
[Not given in 1911-12.]

25. EDUCATIONAL PSYCHOLOGY.—(See Psychology 11.) *II;* (3).
Professor BAGLEY

COURSES FOR GRADUATES

Graduate students who are taking their major work in education must have had as a prerequisite for such study Education 1, 2, and 10 and at least one elementary course in psychology. Work in the biological sciences, in philosophy, and in psychology is also recommended.

101. SEMINAR.—*I, II.* Professor BAGLEY, Assistant Professor ANDERSON, Dr. COFFMAN

111. PRACTICE TEACHING—*I, II.*
[Not given in 1911-12.]

ELECTRICAL ENGINEERING

ERNST JULIUS BERG, M.E., D.Sc., *Professor*
MORGAN BROOKS, Ph.B., M.E., *Professor*
ELLERY BURTON PAINE, M.S., E.E., *Assistant Professor*
EDWARD HARDENBERGH WALDO, A.B., M.E., *Assistant Professor*
JOHN MYRON BRYANT, E.E., M.S., *Assistant Professor*
FRANK GARDNER WILLSON, B.S., *Instructor*
HARRY GRAY HAKE, M.S., *Instructor*
LEONARD VAUGHAN JAMES, B.S., *Instructor*
IRA WILLIAM FISK, B.S., *Instructor*
HERBERT MICHAEL TURNER, B.S., *Assistant*

1. ELECTRICAL ENGINEERING.—Principles of electrical machinery; selection, installation, and operation; distribution of power; motor applications. (For municipal and sanitary engineers.) *II;* (2).
Professor BROOKS

Prerequisite: Physics 1, 3; junior standing.

3. Dynamo Electrical Machinery.—Laws of electric and magnetic circuits; principles of construction and operation of direct current generators and motors. *I;* (3).

Assistant Professor Paine, Assistant Professor Bryant, Mr. James, Mr. Hake

Prerequisite: Physics 1, 3; Mathematics 9.

5. Alternating Currents.—A mathematical and graphical treatment of the principles of periodic currents; theory of the simple phenomena in transmission lines and transformers. *II;* (4).

Assistant Professor Paine, Assistant Professor Bryant, Mr. James, Mr. Hake

Prerequisite: Electrical Engineering 3.

6. Alternating Currents.—(For mechanical engineers.) *I;* (2). Professor Brooks

Prerequisite: Electrical Engineering 3 or 16.

9. Lighting.—Electric lamps and other illuminants, and their effective use; interior wiring; methods of electrical distribution. (For architects.) *II;* (1). Professor Brooks

Prerequisite: Junior standing.

13. Seminar.—Electrical railroading; illumination; telegraphy; telephony; storage batteries; electric metallurgy.

Professor Berg, Assistant Professor Paine

Prerequisite: Junior standing.

14. Alternating Currents.—Alternating-current transformers and generators. *I;* (4).

Assistant Professor Paine, Assistant Professor Bryant, Mr. James, Mr. Hake

Prerequisite: Electrical Engineering 5.

16. Dynamo-Electric Machinery.—Direct-current generators; motors; distribution circuits; storage batteries. Laboratory practice. (For mechanical engineers.) *II;* (4).

Professor Brooks, Assistant Professor Waldo, Mr. James, Mr. Hake, Mr. Turner

Prerequisite: Physics 1, 3; Mathematics 9.

17. Advanced Alternating Currents.—Synchronous, induction, and commutator alternating current motors; rotary converters; distributed inductance and capacity; transient phenomena. *II;* (4).

Professor Berg, Assistant Professor Paine, Assistant Professor Bryant, Mr. James, Mr. Hake

Prerequisite: Electrical Engineering 14, 24.

20. Electrical Engineering Laboratory.—The construction of special apparatus or other work approved by the department. (Elective for juniors and seniors.) *I, II;* (1 to 3).
Assistant Professor Bryant, Mr. Willson

22. Electrical Engineering Laboratory.—Direct current laboratory accompanying Electrical Engineering 3. *I;* (2).
Mr. Willson, Mr. Hake, Mr. James, Mr. Turner

Prerequisite: Registration in Electrical Engineering 3.

23. Electrical Engineering Laboratory.—Determination of the flux and E. M. F. waves of alternators. Alternating current circuits, instruments. *II;* (2).
Mr. James, Mr. Fisk, Mr. Hake, Mr. Turner

Prerequisite: Electrical Engineering 3, 22; registration in Electrical Engineering 5.

24. Electrical Engineering Laboratory.—Advanced direct and alternating current testing. *I;* (2).
Assistant Professor Waldo, Mr. Willson, Mr. Fisk

Prerequisite: Electrical Engineering 23; registration in Electrical Engineering 14.

27. Electrical Engineering Laboratory.—Advanced alternating current testing. *II;* (2).
Assistant Professor Bryant, Mr. Willson, Mr. Fisk

Prerequisite: Electrical Engineering 24; registration in Electrical Engineering 17.

28. Electrical Engineering Laboratory.—Testing of dynamos and motors. *I;* (1). Mr. Turner

Prerequisite: Electrical Engineering 1.

29. Electrical Engineering Laboratory.—Alternating current operation and testing. (For students in mechanical engineering.) *II;* (2). Mr. Willson

Prerequisite: Electrical Engineering 6.

32. Electrical Design.—Calculation and design of electromagnets and of dynamos, direct and alternating, and of transformers. *I;* (2). Assistant Professor Waldo, Mr. Fisk

Prerequisite: Electrical Engineering 5; registration in Electrical Engineering 14.

34. Electrical Design.—Calculation of induction motors and converters. Problems in power plant design. *II;* (3).
Assistant Professor Waldo, Mr. Fisk

Prerequisite: Electrical Engineering 14.

35. THESIS.—First semester, preliminary reading and investigation; second semester, completion. Subjects must be chosen and approved before the first Monday in November. *II;* (3).

COURSES FOR GRADUATES

Entrance upon graduate work in electrical engineering presupposes the full undergraduate course in that subject.

101. ADVANCED COURSE IN ALTERNATING CURRENTS.—The theory of Transient Phenomena; polyphase circuits; alternating current measuring apparatus. *Twice a week; I, II.*
Professors BERG and BROOKS

102. THE GENERATION, TRANSMISSION, AND UTILIZATION OF ELECTRICAL ENERGY.—Dynamo-electric machinery; light and power plants; switchboards and transmission lines. *Twice a week; I, II.*
Professor BERG, Assistant Professor PAINE

103. ELECTRICAL DESIGN.—The development of plans for an electrical machine or apparatus of specified character; or for the arrangement of an electrical plant; or for the installation of such machinery or apparatus. *Twice a week; II.*
Professor BERG, Assistant Professor WALDO

104. TELEGRAPHY AND TELEPHONY.—Professor BROOKS, Assistant Professor PAINE

105. ELECTRICAL ENGINEERING RESEARCH.—An experiment investigation of some electrical phenomena, or tests of some electrical machine, or of a plant of such machines. *Twice a week; I, II.*
Professor BERG, Assistant Professor BRYANT

106. ILLUMINATION.
Professor BROOKS, Assisstant Professor BRYANT

107. HIGH TENSION INVESTIGATIONS COVERING WORK ON DIELECTRICS, CORONA, ETC.
Professor BERG, Assistant Professor BRYANT

108. CENTRAL STATION ECONOMICS. Professor BERG

ENGINEERING

(See ARCHITECTURE, CIVIL ENGINEERING, DRAWING, ELECTRICAL ENGINEERING, MECHANICAL ENGINEERING, MECHANICS, MINING ENGINEERING, MUNICIPAL AND SANITARY ENGINEERING, PHYSICS, RAILWAY CIVIL ENGINEERING, RAILWAY ELECTRICAL ENGINEERING, and RAILWAY MECHANICAL ENGINEERING.)

THE ENGLISH LANGUAGE AND LITERATURE

(INCLUDING RHETORIC)

RAYMOND MACDONALD ALDEN, Ph.D., *Professor and Chairman*
DANIEL KILHAM DODGE, Ph.D., *Professor*
THOMAS ARKLE CLARK, B.L., *Professor*
STUART PRATT SHERMAN, Ph.D., *Professor*
EDWARD FULTON, Ph.D., *Associate Professor*
EDWARD CHAUNCEY BALDWIN, Ph.D., *Assistant Professor*
HARRY GILBERT PAUL, Ph.D., *Assistant Professor*
FRANKLIN WILLIAM SCOTT, A.M., *Associate, Secretary*
ERNEST MILTON HALLIDAY, A.B., LL.B., *Associate*
THACHER HOWLAND GUILD, A.M., *Associate*
HARRIE STUART VEDDER JONES, Ph.D., *Associate*
JACOB ZEITLIN, Ph.D., *Associate*
FRANK ALLEN PATTERSON, Ph.D., *Associate*
MARTHA JACKSON KYLE, A.M., *Instructor*
HERBERT LE SOURD CREEK, Ph.D., *Instructor*
GERTRUDE SCHOEPPERLE, Ph.D., *Instructor*
CLARENCE VALENTINE BOYER, Ph.D., *Instructor*
EMORY NELSON FERRISS, Ph. D., *Instructor*
SADA ANNIS HARBARGER, A.M., *Assistant*
VIDA LUCILE COLLINS, A.M., *Assistant*
MARION CHARLOTTE LANDEE, *Assistant*
RUTH KELSO, A.M., *Assistant*
LORA ATKINS HENION, A.B., *Assistant*
EULA MARY MCKINNEY, A.B., *Assistant*
ALTA GWINN, A.M., *Assistant*
RALPH EARL TIEJE, A.B., *Assistant*
GLENN NEWTON MERRY, A.B., *Assistant*
WALTER A. BUCHEN, A.B., *Assistant*

ENGLISH

Major

A student making English a major must take 24 hours in English in addition to English 1 and Rhetoric 1. Of these 24 hours, at least 12 must be in English literature, and at least 6 in Rhetoric. The work in rhetoric must include at least 3 hours in composition. Of the total 24 hours, at least 6 must be taken in advanced courses.

Honors

Candidates for honors in English must offer:

1. Work in English amounting to 24 hours in addition to English 1 and Rhetoric 1.

2. At least 6 hours in advanced courses, which may be in either English literature, or English composition.

3. A minimum of 15 hours in English literature in addition to English 1, and a minimum of 6 hours in English composition in addition to Rhetoric 1.

4. Work aggregating 24 hours in two minor subjects, which must be in two foreign languages or in one foreign language and either history or philosophy. French 1 and German 1 and 3 may not be counted toward the fulfillment of the minor requirements.

A. *LITERATURE AND LANGUAGE*

Unless otherwise specified, the second semester of courses running through the year may not be taken without the first, nor may credit ordinarily be secured for a single semester's work in such courses.

ELEMENTARY COURSES

1. INTRODUCTORY COURSE.—English Literature before the Nineteenth century. (May not be counted toward a major.) *I;* (4).

Professor DODGE, Professor SHERMAN, Assistant Professor BALDWIN, Dr. PATTERSON, Dr. ZEITLIN, Dr. BOYER, Dr. CREEK, Dr. FERRISS, Miss KYLE, Dr. SCHOEPPERLE, Miss COLLINS, Miss GWINN, Miss HENION, Miss KELSO, Mr. TIEJE

Prerequisite: The minimum entrance requirements in English.

Assistant Professor BALDWIN has the general direction of this course. At least one section is repeated in the second semester. Seniors in the College of Literature and Arts may receive but half credit in this course.

2. INTRODUCTORY COURSE.—English Literature of the Nineteenth Century. *II;* (4). Professor ALDEN, Professor SHERMAN, Assistant Professor BALDWIN, Dr. PATTERSON, Dr. ZEITLIN, Dr. BOYER, Dr. CREEK, Dr. FERRISS, Miss KYLE, Dr. SCHOEPPERLE, Miss COLLINS, Miss GWINN, Miss HENION, Miss KELSO, Mr. TIEJE

Prerequisite: English 1.

Professor ALDEN has the general direction of this course. At least one section is repeated in the second semester. No one is admitted to a repeating section without the consent of the instructor in charge of the course. Seniors in the College of Literature and Arts may receive but half credit in this course.

16. American Literature. *I, II;* (3).
Assistant Professor Paul
Prerequisite: English 1; one year of college work.

23. Elementary Course in Shakespeare. *I or II;* (3).
Professor Sherman, Mr. Guild
Prerequisite: English 1; one year of college work.

INTERMEDIATE COURSES

Prerequisite: Eleven hours of English literature, or eight hours of English literature and eight hours of a foreign language.

19. Literary Study of the Bible.—First semester: *Psalms; Prophets* (lyric poetry and oratory); second semester: *Proverbs; Ecclesiastes; Job* (literature of wisdom). *I, I;* (3).
Assistant Professor Baldwin
Prerequisite: Junior standing.

24. English Literature of the Victorian Period.—First semester: poetry; second semester: prose. (Either semester may be taken without the other.) *I, II;* (3). Miss Kyle

29. English Literature from 1557 to 1688, Exclusive of the Drama. *I;* (3). Assistant Professor Baldwin

31. English Literature from 1688 to 1789. *II;* (3).
Assistant Professor Paul

33. English Literature from 1789 to 1837.—First semester: poetry; second semester: prose. (Either semester may be taken without the other.) *I, II;* (3). Dr. Zeitlin

ADVANCED COURSES FOR UNDERGRADUATES AND GRADUATES

Prerequisite: Sixteen hours of English literature. Juniors and seniors, however, who have had at least eleven hours of English literature and who have taken advanced work in either a foreign language or history, or have had a year's work in philosophy, may elect any of these courses.

3. The Poetry of Milton. *II;* (2).
Assistant Professor Baldwin

4. THE HISTORY AND PRINCIPLES OF ENGLISH VERSIFICATION.—Theory of English metre and rhythm; history of the development of the forms of English verse. *I;* (2). Professor ALDEN

5. SHAKESPEARE AND HIS PREDECESSORS.—(The second semester, devoted to Shakespeare, may be taken without the first.) *I, II;* (3). Professor DODGE

Prerequisite: English 23.

6. ENGLISH LITERARY CRITICISM.—The history of English literary criticism from the beginning of the Elizabethan to the beginning of the Victorian period. A brief discussion of Greek and Latin criticism precedes the main work of the course. *I, II;* (3). Associate Professor FULTON

7. CHAUCER. *I, II;* (3). Dr. JONES

8. OLD ENGLISH. (Anglo-Saxon).—Grammar, prose, short poems; *Beowulf.* *I, II;* (3). Profesor DODGE

15. TEACHERS' COURSE.—Methods of teaching English literature and composition in the high school. *I, II;* (2). Assistant Professor PAUL

17. THE HISTORY OF THE ENGLISH LANGUAGE. *I, II;* (3). Associate Professor FULTON

35. THE DRAMA FROM 1600 TO 1900.—(Either semester may be taken without the other.) *I, II;* (3). Professor SHERMAN, Mr. GUILD

40. LYRICAL POETRY OF THE ELIZABETHAN AGE AND SEVENTEENTH CENTURY. *I;* (3). Professor ALDEN

COURSES FOR GRADUATES

Students who expect to enter upon graduate work with English as their major subject are required to have taken twenty hours of English literature. They should also have taken at least one elective course in English composition, and should have read liberally outside of their courses. A reading knowledge of either French or German, as well as some acquaintance with those literatures, is desirable, though not required. Valuable auxiliary studies are the classics, history, and philosophy.

The Degree of Master of Arts in English.—In addition to complying with the general rules of the Graduate School, candidates for the degree of Master of Arts in English must comply with the following rules of the department of English:

Candidates must take, in addition to the courses required for the first degree (1) a certain number of courses "for graduates";

(2) an elementary course in Anglo-Saxon if such a course has not previously been taken. They may not include, for credit, English 1, 2, 15, 16, or 23, or any courses in rhetoric except 12, 15, 16, and 20, and must satisfy the department of their ability to write acceptable English.

As a rule, candidates must take the regular semester examinations in all their courses. They must also take special examination as follows: a written examination, lasting about three hours, which must cover not only the field of the courses taken, but also the general fields of English and American literature and the outlines of the history of the English language: an oral examination which shall be a final test of the candidate's general fitness and ability.

The Degree of Doctor of Philosophy in English.—In addition to the general rules and suggestions for all candidates for the degree of Doctor of Philosophy the following departmental rules and suggestions are to be noted.

From the list of topics grouped below there must ordinarily be chosen:

By all:	the whole of G, H, and I, either 4 or 5 in Group A, Beowulf, Chaucer, Shakspere, and Milton.
By those whose main interest lies in Group B;	All of A, B, and C; 3 from D; 2 from E; 2 from F.
By those whose main interest lies in Group C:	3 from A; all of B and C; 4 from D; 2 from E; 2 from F.
By those whose main interest lies in Group D:	1 from A; 2 from B; 2 from C; all of D; 3 from E; 3 from F.
By those whose main interest lies in either Group E or Group F:	1 from A; 2 from B; 2 from C; 3 from D; all of E and F.

Group A

1. Gothic
2. Old French
3. Old Norse
4. History and Principles of English Grammar
5. History of the English Language

Group B

1. Anglo-Saxon Language and Versification
2. Anglo-Saxon Prose
3. Beowulf
4. Other Anglo-Saxon Poetry

Group C

1. Middle English: Language
2. Middle English Literature: Ballads
3. Middle English Literature: Romances
4. Middle English Literature: Chaucer
5. Middle English Literature: Lydgate, Gower, Wyclif, etc
6. Middle Scottish Language and Literature

Group D

1. Drama before Shakspere
2. Shakspere
3. The Drama from Shakspere to 1642
4. Elizabethan and Jacobean Non-Dramatic Poetry
5. Elizabethan and Jacobean Prose
6. Milton

Group E

1. The Period of Dryden
2. The Period of Pope
3. The Period of Johnson
4. American Literature to 1800

Group F

1. The Earlier Romantic Movement
2. The Period of Wordsworth
3. The Period of Tennyson
4. American Literature since 1800

Group G

1. The History and Principles of Literary Criticism, especially of English Literary Criticism
2. The History and Principles of English Versification

Group H.

1. English and American History in Outline
2. A much more thorough knowledge of the history of England during the period upon which the candidate concentrates his attention. (If the candidate's special interest is in American literature, both English and American history will be required.)

3. A fair knowledge of the history, during the period upon which the candidate concentrates his attention, of the country which is then most closely related to English literature
4. A general knowledge of the history of modern philosophy
5. A much more thorough knowledge of philosophy during the period upon which the candidate concentrates his attention, with special reference to English and to that country whose literary relations with England are closest at that time

Group I

1. A reading knowledge of French and German
2. A general knowledge of Greek and Latin literature and mythology
3. A general acquaintaince with that literature which during the period upon which the candidate concentrates his attention stands in closest relation to English literature

101. RESEARCH IN SPECIAL PERIODS.—Competent graduate students are encouraged to seek the advice and assistance of the department of English and to submit to the department plans for study in the language or literature of the periods mentioned below.

ANGLO-SAXON LANGUAGE AND LITERATURE.
Professor DODGE, Dr. ZEITLIN

THIRTEENTH AND FOURTEENTH CENTURIES. Dr. JONES

SIXTEENTH CENTURY. Professors ALDEN, DODGE

SEVENTEENTH CENTURY.
Professor ALDEN, Assistant Professor BALDWIN

EIGHTEENTH CENTURY.
Professor SHERMAN, Assistant Professor PAUL

NINETEENTH CENTURY.
Professor SHERMAN, Associate Professor FULTON

Prerequisite: The consent of the department of English.

102. SEMINAR IN COMPARATIVE LITERATURE.—Subject for 1911-12: Tragedy. *Twice a week; I, II.* Professor ALDEN

Prerequisite: The consent of the instructor.

109. GERMAN AND SCANDINAVIAN INFLUENCES ON ENGLISH LITERATURE OF THE EIGHTEENTH AND NINETEENTH CENTURIES.—*Twice a week; II.* Professor DODGE

Prerequisite: Eighteen hours of English literature and two years of German; completion of or registration in Scandinavian 12.

110. ANGLO-SAXON POETRY.—*Twice a week; I, II.*
Professor DODGE

Prerequisite: English 8.

112. THE HISTORY AND PRINCIPLES OF ENGLISH GRAMMAR.—*Twice a week; I, II.* Dr. ZEITLIN

Prerequisite: English 8.

113. ENGLISH PROSE SYNTAX.—*Twice a week; I, II.* Dr. ZEITLIN

Prerequisite: English 8.

[Not given in 1911-12.]

126. ENGLISH BALLADS AND METRICAL ROMANCES.—*Twice a week; I, II.* Dr. JONES

Prerequisite: Twenty hours of English literature. English 7 (Chaucer) and Roman Languages 102 (Old French) should be taken with or before this course.

[Not given in 1911-12.]

127. MIDDLE ENGLISH.—Critical reading of Middle English texts. *Twice a week; I, II.* Dr. JONES

Prerequisite: English 8.

136. THE TRANSITION FROM THE SEVENTEENTH TO THE EIGHTEENTH CENTURY IN ENGLISH LITERATURE.—*Twice a week; I, II.* Assistant Professor PAUL

Prerequisite: Twenty hours of English literature.

137. NINETEENTH CENTURY PROSE WRITERS.—*Twice a week; I, II.* Professor SHERMAN

Prerequisite: Twenty hours of English literature. The attention of students who wish to take English 137 is called to Philosophy 4 (Modern Philosophy), and History 20 (Europe in the Nineteenth Century). With the consent of the instructor these courses may be counted toward the fulfilment of the prerequisite.

[Not given in 1911-12.]

138. THE ROMANTIC MOVEMENT IN ENGLAND.—*Twice a week; I, II.* Professor SHERMAN

Prerequisite: Twenty hours of English literature and a reading knowledge of either French or German.

The attention of students who wish to take English 138 is called to History 7 (The Revolutionary and Napoleonic Era). With the consent of the instructor this course may be counted toward the fulfilment of the prerequisite.

B. RHETORIC

Unless otherwise specified, the second semester of courses running through the year may not be taken without the first, nor may credit ordinarily be secured for a single semester's work in such courses.

I. COMPOSITION

ELEMENTARY COURSES

1. RHETORIC AND THEMES.—Required for students in the College of Literature and Arts, Science, Engineering, and Agriculture. *I, II;* (3).

Associate Professor FULTON, Mr. GUILD, Dr. JONES, Dr. PATTERSON, Mr. SCOTT, Dr. BOYER, Dr. CREEK, Dr. FERRISS, Dr. SCHOEPPERLE, Mr. BUCHEN, Miss COLLINS, Miss GWINN, Miss HARBARGER, Miss HENION, Miss KELSO, Miss MCKINNEY, Mr. MERRY, Mr. TIEJE, Mr. WARNOCK.

Prerequisite: The minimum entrance requirements in English.

Mr. SCOTT has the general direction of this course. For the benefit of those whose course is irregular, a limited number of sections in each semester take up the work of the other semester. No one is admitted to these sections without the consent of the instructor in charge of the course.

Course 1 may not be counted towards a major.

INTERMEDIATE COURSES

2. ARGUMENTATION.—General argumentative writing; the purpose of argument; the tests of evidence and reasoning. Text-book; class discussions; assigned work. *I;* (3). Mr. HALLIDAY

Prerequisite: Rhetoric 1.

3. ENGLISH COMPOSITION.—Short themes with an occasional long theme. (Either semester may be taken without the other.) *I, II;* (3). Professor CLARK, Mr. GUILD, Miss KYLE

Prerequisite: Rhetoric 1.

10. BUSINESS WRITING.—Business correspondence with practice in incidental writing, summaries, etc. (Open only to those taking a business course, unless with the consent of the instructor.) *II;* (2). Professor CLARK

Prerequisite: Rhetoric 1.

Course 10 may not be counted toward a major.

12. NEWSPAPER WRITING.—Lectures; discussions; assignments in news writing; interviewing and reporting; news forms; news value; typography; proof reading. *I, II;* (2). Mr. SCOTT

Prerequisite: Rhetoric 1; one semester of Rhetoric 3.

19. AGRICULTURAL JOURNALISTIC WRITING.—Class exercises; lectures; assignments in gathering and preparing material for agricultural papers. The class conducts an agricultural department in a local daily newspaper. *II;* (3). Mr. SCOTT

Prerequisite: Junior or senior standing in the College of Agriculture; Rhetoric 1; Rhetoric 3 or the consent of the instructor.

ADVANCED COURSES FOR UNDERGRADUATES AND GRADUATES

6. ADVANCED ENGLISH COMPOSITION.—Short story writing. (Intended for those who have some aptitude for literary work.) *I;* (3). Mr. GUILD

Prerequisite: Two years of college work and the consent of the instructor.

15. ADVANCED NEWSPAPER WRITING.—First semester: the larger problems in reporting; second semester: application of the principles of history, economics, and political science to public events. Copy-reading; head-writing; editing; editorial writing. *I, II;* (3). Mr. SCOTT

Prerequisite: Rhetoric 12 or some experience in reporting.

17. ADVANCED ENGLISH COMPOSITION.—(Intended for students with a definite purpose and a special interest in the theory and practice of composition.) *II;* (3). Professor ALDEN

Prerequisite: Two years of college work and the consent of the instructor.

II. PUBLIC SPEAKING

ELEMENTARY COURSE

7. PUBLIC SPEAKING.—Reading aloud, with occasional memory work. Lectures; class exercises; private instruction. *I, II;* (2).
Men's sections, Mr. HALLIDAY, Mr. MERRY
Women's sections, Miss LANDEE

Prerequisite: Rhetoric 1.

INTERMEDIATE COURSES

4. THE ART OF DEBATE.—Brief writing and the extemporaneous presentation of argument in formal debate. (Required for credit

for work in the intercollegiate debates.) *II;* (3). Mr. HALLIDAY

Prerequisite: Rhetoric 2, 7.

5. EXTEMPORE SPEAKING.—Discussion of current events; practice in after-dinner speaking; drill in parliamentary procedure. *I, II;* (2). Mr. HALLIDAY

Prerequisite: Rhetoric 1, 7.

8. INTERPRETATIVE READING.—*I;* (3). Mr. GUILD

Prerequisite: Rhetoric 1, 7.

[Not given in 1911-12.]

9. DRAMATIC READING.—The study and presentation of a classic play or of special scenes. *II;* (1-4). Mr. GUILD

Prerequisite: One year of college work and the consent of the instructor.

14. ORATORICAL COMPOSITION AND DELIVERY.—Text-book; discussions. (Advised for those who intend to enter the oratorical contests.) *I;* (3). Mr. MERRY

Prerequisite: Rhetoric 1, 7.

ENTOMOLOGY

(See also BOTANY, PHYSIOLOGY, and ZOOLOGY.)

STEPHEN ALFRED FORBES, Ph.D., LL.D., *Professor*
JUSTUS WATSON FOLSOM, D.Sc., *Assistant Professor*
ALEXANDER DYER MACGILLIVRAY, Ph.D., *Assistant Professor*
HUGH GLASGOW, A.B., *Assistant*
MAURICE COLE TANQUARY, A.M., *Assistant*

Entomology as taught at the University is distinctly differentiated from the work in zoology. Students preparing for service as economic entomologists should take all the courses offered except Course 5. Those preparing for the teaching of zoology should take either 2 and 4, or 3 and 4, or all three of these courses.

1. ELEMENTARY ENTOMOLOGY.—Lectures; laboratory; field work. (Open to all students.) *I, II;* (2). Assistant Professor FOLSOM

2. GENERAL ENTOMOLOGY.—Field entomology; morphological and physiological entomology; the collection and preservation of specimens; laboratory studies of typical insects; the recognition of adaptive structures and their utilities. (This course and course 3

form a year's work, covering the whole field. Either may be taken independently of the other.) *I;* (5).

Assistant Professors Folsom and MacGillivray

Prerequisite: Entomology 1, or 4, or equivalent.

3. General Entomology.—The classification and determination of insects; the study of life histories in the insectary and by field observation; the collection of information with respect to the ecological relations of insects. *II;* (5). Assistant Professor Folsom

Prerequisite: Entomology 1 or 4, or equivalent.

4. Introduction to Economic Entomology.—Lectures; field work; laboratory. *Section A* for students of agriculture. *I; first half;* (2½). *Section B,* for students of horticulture. *II; second half;* (2½). Assistant Professor Folsom

5. Introduction to Research.—Preparation for thesis work. Library, language, manuscript, and advanced laboratory work on assigned topics. (A three-hour course for one semester is required as a preparation for entomological thesis work.) *I or II;* (3 to 5).

Professor Forbes, Assistant Professors Folsom and MacGillivray

Prerequisite: Entomology 2, 3.

6. Thesis Investigation.—Subjects selected during the junior year. Three hours a day given to investigation, under the supervision of an instructor, during the senior year. *I, II;* (5).

Professor Forbes, Assistant Professors Folsom and MacGillivray

7. Elementary Systematic Entomology.—The external anatomy of insects; the terminology of the parts; identification of specimens representing as many as possible of the major groups. *I or II;* (5). Assistant Professor MacGillivray

Prerequisite: Entomology 2.

8. Advanced Economic Entomology.—Assigned problems. Field, laboratory, insectary, library, and manuscript work, with practice in the special operations of economic entomology. (Intended primarily to prepare students for service as entomologists in experiment stations and other state and government positions. Agronomy 7 and Horticulture 1, 2, and 3 should also be taken as a part of this preparation.) *I, II;* (3).

Professor Forbes, Assistant Professor Folsom

Prerequisite: Entomology 4, 2, 3.

9. Advanced Systematic Entomology.—The identification of the

characters upon which genera and species are based. *I or II;* (5).
Assistant Professor MacGillivray

Prerequisite: Entomology 2, 7.

10. Taxonomy of Immature Insects.—*I;* (5).
Assistant Professor MacGillivray

Prerequisite: Entomology 1 or 4, 2, 7.

[Not given in 1911-12.]

11. Classification of the Coccidae.—Methods of preparing scale insects for study, the identification of genera and species, and discussion of their morphology, metamorphosis, and phylogeny. *II;* (5).
Assistant Professor MacGillivray

Prerequisite: Entomology 1 or 4, 2, 7.

12. Seminar.—Reports and discussion upon assigned topics; presentation and discussion of contents of recent entomological publications, and of results of personal research. *I, II;* (1).

Prerequisite: One year of entomological work.

COURSES FOR GRADUATES

The prerequisite for graduate work in entomology is one year's work in biological courses, including an equivalent either of Zoology 1 or Entomology 1 or 4. Entrance upon major work in entomology requires the equivalent of Entomology 2 and 3.

Graduate students who have had at least one year of college work in biological courses may take for graduate credit any of the preceding courses except 1, 4, and 6. The following courses are open to graduate students only:

102. Research in the Morphology and Embryology of Insects.
Assistant Professor Folsom

103. Research in Faunistic and Ecological Entomology.
Professor Forbes

108. Research in Economic Entomology. Professor Forbes

109. Research in Systematic Entomology.
Assistant Professor MacGillivray

THE FINE ARTS

(See Art and Design and Music. Attention is called also to the courses in esthetics offered by the departments of philosophy, education, architecture, and household science.)

FLORICULTURE

(See HORTICULTURE.)

FRENCH

(See ROMANCE LANGUAGES AND LITERATURE.)

GEOLOGY

(Including MINERALOGY, PALEONTOLOGY, and PHYSICAL GEOGRAPHY.)

CHARLES WESLEY ROLFE, M.S., *Professor*
WILLIAM SHIRLEY BAYLEY, Ph.D., *Associate Professor*
THOMAS EDMUND SAVAGE, Ph.D., *Assistant Professor*
JOHN LYON RICH, Ph.D., *Instructor*
WALTER ELMER EKBLAW, A.B., *Assistant*
EARL READ SCHEFFEL, M.S., *Assistant*
GILBERT HAVEN CADY, A.M., *Assistant*

This department occupies a suite of twenty-seven rooms on the first and second floors of the Natural History building. Its laboratories and lecture rooms are equipped with the apparatus and illustrative material necessary to carry on the work scheduled below. The equipment for the study of crystallography, mineralogy, economic geography, and paleontology is especially good. The department is also supplied with maps, charts, projection apparatus, and field and laboratory instruments for surveying and mapping.

The collections in mineralogy, petrography, and paleontology are large and well selected. The last is rich in the fossil forms which occur in the Mississippi Valley and the library is well supplied with the literature essential to their study.

The offices and laboratories of the State Geological Survey adjoin those of the department and a portion of the instructors are also engaged in work for the Survey, while others are coöperating with the United States Geological Survey, thus giving advanced students the advantages which are to be gained from close contact with practical work.

To students who are especially interested in geology the department offers three lines of work, and recommends that the courses be taken in the order indicated below.

MINERALOGY, PETROGRAPHY, ECONOMIC GEOLOGY.—For those who care particularly for minerals and rocks, their identification, origin, and transformation; the origin, characteristics, and classification of ores and the economic qualities of non-metallic minerals, it is recommended that the following courses be taken in the order given: Geology 19, 1, 1a, 5, 5a, 6, 7, 16, 15, 2.

STRATIGRAPHY, PALEONTOLOGY.—If the student cares more for the history of rocks, the order in which they were laid down, the conditions which gave them their peculiarities, and the evolution of living forms as shown by the succession of fossils, the following order of courses is suggested: 19, 1, 1a, 9, 16, 17, 5, 18, 20, 22, 15, 4.

PHYSIOGRAPHIC GEOLOGY, PHYSICAL GEOGRAPHY.—If his interest lies more in the earth's surface, the origin of its topographic forms, the agencies which are transforming them, and the influence of these upon the welfare of plants, animals, and man, the following courses are advised, in order: 19, 23, 14, 10, 5, 1a, 11, 8, 20, 17, 4. These courses will be of special interest to prospective teachers of physiography.

The attention of students who can devote but one or two semesters to the subject is directed to the following courses: For engineers, 3, 5, 13; for agriculturists, 12, 14, 8, 11; for students in commerce, 3, 14, 8; for students in literature and science, 3, 1, 1a, 10, 14, 8, 11, 22.

COURSES FOR UNDERGRADUATES

1. DYNAMIC AND STRUCTURAL GEOLOGY.—The agents and processes involved in the development of the earth's present features. Lectures; laboratory. *I;* (5). Assistant Professor SAVAGE, Mr. CADY

Prerequisite: Chemistry 1 or an equivalent.

1a. HISTORICAL GEOLOGY.—The evolution of the earth and its life. Lectures; laboratory work, consisting largely of a study of a few of the more characteristic fossils from the various horizons. (Continuing course 1 and introducing courses 9 and 16.) *II;* (5).
Assistant Professor SAVAGE, Mr. CADY

Prerequisite: Geology 1, 3, 10, or 23.

2. ECONOMIC GEOLOGY.—The origin and manner of occurrence of minerals and rocks of economic importance, especially those found in North America. Lectures; laboratory. *II;* (3-5).
Associate Professor BAYLEY

Prerequisite: Geology 5; 1 and 1a, or 3.

3. GENERAL GEOLOGY.—Mineralogy; dynamic, historic, and economic geology; minerals; rocks; contour maps; fossils. Recita-

tions; laboratory. (For students who wish to devote but one semester to geology.) *I or II;* (5). *Daily, with occasional trips on Saturday.* Profesor ROLFE, Mr. SCHEFFEL

4. THESIS COURSE.—Field or laboratory problems; complete reports under the direction of an instructor; maps, sections, and figures based on observations. *II;* (5).

5. MINERALOGY.—Petrography and economic geology; the most common ores and minerals of scientific importance; crystallography; the characteristics of about 125 of the most important minerals; blow pipe analysis. Lectures; laboratory. *I;* (5).
Associate Professor BAYLEY, Mr. EKBLAW

Prerequisite: Chemistry 1, 2, 3.

5a. DETERMINATIVE MINERALOGY.—Laboratory: the determination of minerals. Lectures: the characteristics, origin, and transformation of minerals. *II;* (3).
Associate Professor BAYLEY, Mr. EKBLAW

Prerequisite: Geology 5.

6. PHYSICAL AND OPTICAL MINERALOGY.—Petrography; physical and optical properties of minerals; the practical use of polarized light in identifying the rock-forming materials. *II;* (3).
Associate Professor BAYLEY

Prerequisite: Geology 5.

7. PETROGRAPHY.—Rocks; their types; origin; classification; the types studied with hand specimen and thin section. Lectures; laboratory. *I;* (3). Associate Professor BAYLEY

Prerequisite: Geology 6.

8. PHYSICAL GEOGRAPHY.—Physiography of Europe, with selected regions in the Americas, Asia, and Africa. The physical conditions which control the production of the principal commodities used by man. (Recommended to students in commerce; supplementary to course 11.) *II;* (3). Dr. RICH

Prerequisite: Geology 14.

9. PALEONTOLOGY.—Paleozoic invertebrate fossils; their classification and relationships; identification of the fossils; the literature of the subject. Lectures; laboratory. *I;* (5).
Assistant Professor SAVAGE, Mr. CADY

Prerequisite: Geology 1a; recommended: 1 year of botany or zoology.

10. REGIONAL GEOGRAPHY.—The geology, topography, physio-

graphic history, climate, resources, and the effect of these on the inhabitants, of selected areas whose characters are strongly developed, as deserts, tundras, plateaus, plains, rift valleys. *II;* (3). Dr. Rich

Prerequisite: Geology 23; or 1, 3.

11. Physiography of the United States.—The topography, climatology, and economic geography of the United States and contiguous portions of Canada and Mexico. *I;* (5). Dr. Rich

Prerequisite: Geology 14 and 1, or 3, or 10.

12. Geology of Soils.—The origin of the various classes of soils; mineral compositions; physical characteristics; transformations. (Particularly valuable to students of agriculture and all those who are especially interested in plant growth.) *II;* (5). Professor Rolfe, Mr. Scheffel

Prerequisite: Chemistry 1 or an equivalent.

13. Engineering Geology.—(Planned especially to meet the needs of engineering students; open only to students in engineering and ceramics.) Lectures; laboratory. *II;* (5). Associate Professor Bayley, Mr. Ekblaw

14. Meteorology. — Meteorology; oceanography; climatology. The general circulation of the atmosphere; ocean currents; the laws of storms; the distribution of rainfall; the climatic conditions which control the geographic distribution of plants and animals. (This course is a prerequisite for Geology 8.) *I;* (3). Professor Rolfe, Mr. Scheffel

Courses 14 and 8 should be taken with Economics 26 by students of commerce.

15. Structural Geology.—The arrangement of the rocks which form the earth's crust and their distribution on its surface; mountains; faults; folds; other diastrophic phenomena. *I;* (5). Associate Professor Bayley

Prerequisite: Geology 1a.

16. Stratigraphy.—The methods and criteria employed in the correlation of strata; the distribution of the successive geologic formations; the characteristic invertebrate faunas contained. Lectures; laboratory. *II;* (5). Assistant Professor Savage, Mr. Cady

Prerequisite: Geology 9.

17. Continental Evolution.—The development of continents; the distribution of the strata of the successive geological systems;

the character and variations of the sediments in each period with their faunas; the distribution of lands and seas, and their relative altitude in geologic ages. *I;* (5). Assistant Professor SAVAGE

Prerequisite: Geology 1a or 11.

18. MESOZOIC AND TERTIARY PALEONTOLOGY.—The mesozioc and tertiary invertebrate fossil forms; the evolution of vertebrates during the same periods. (For students specializing in botany or zoology.) *II;* (5). Associate Professor BAYLEY

Prerequisite: Geology 1a, 9; or 10 credits in botany or zoology.

19. FIELD GEOLOGY—INTRODUCTORY COURSE.—Field trip of two week, in September, 1911, introductory to the courses in general geology and physiography. Including points in Indiana, Ohio, and the Wyandotte or Mammoth Cave, to illustrate the marked difference between the physiographic features of youthful and mature topography and of glaciated and non-glaciated areas; collection of fossils from the different rock exposures; their use in determining the age of strata. (Expenses about $35.00.) Credit given on completion of a semester course in geology and on submission of written report on the observations and collections made during the trip. *I;* (2). Assistant Professor SAVAGE

20. FIELD GEOLOGY.—The field determination of physical features and rock formations, with mapping and description, of a small area in Carroll county, Illinois. (A short field course.)
Assistant Professor SAVAGE

23. PHYSIOGRAPHY.—The origin and significance of topographic features; agencies effecting changes; changes now in progress; general genetic geography; an introduction to meteorology and oceanography. *I, II;* (5). Dr. RICH

21. GEOLOGY OF COAL.—The principal groups of coal making plants; the origin of coal; coal sampling; the stratigraphy of the coal measure deposits with special reference to the Illinois or Eastern Interior basin. *I;* (2). Assistant Professor SAVAGE

Prerequisite: Geology 13 or an equivalent.

22. ORGANIC EVOLUTION.—The evolution of plant and animal forms as indicated by the fossil record. *II;* (3).
Assistant Professor SAVAGE

Prerequisite: Geology 1a or one year of systematic zoology or botany.

COURSES FOR GRADUATES

Graduate students who are doing their principal work in other departments before taking work for graduate credit in geology must have had the equivalent of 10 sequential university credits in geology, 10 in chemistry, and 8 in physics.

Students who are candidates for an advanced degree in geology must have had the equivalent of 20 sequential university credits in geology, 10 in chemistry, 8 in physics, and if the work is to be along the lines of stratigraphy or paleontology, 10 in zoology or botany.

101. ADVANCED CRYSTALLOGRAPHY.—The methods of measuring, projecting, and calculating crystal forms; the physical properties of crystallized bodies; indices of refraction; electrical properties; morphotropism. *Three to five times a week; I or II.*
Associate Professor BAYLEY

102. PETROGRAPHY.—The igneous rocks; identification of types; classification; relationships. Lectures; laboratory. *Two hours, five times a week; I.* Associate Professor BAYLEY

103. PETROGRAPHY.—Schists and sedimentary rocks. *Two hours, five times a week; I.* Associate Professor BAYLEY

105. STRATIGRAPHIC PALEONTOLOGY.—The literature and fossils of a special geological system; their geographic distribution; the geologic provinces; the origin and the routes of migration of the different faunas during the period. Largely individual work. *Two to five times a week; I or II.* Assistant Professor SAVAGE

106. FIELD AND LABORATORY COURSE.—A systematic study of a selected area; collection of specimens and working out stratigraphic and structural relations in the field and their interpretation; a carefully prepared report on the geology of the region, based on the data collected in the field. *Two to five times a week; I or II.*
Assistant Professor SAVAGE

THE GERMANIC LANGUAGES AND LITERATURES

(INCLUDING SCANDINAVIAN)

GERMAN

JULIUS GOEBEL, Ph.D., *Professor*
OTTO EDUARD LESSING, Ph.D., *Associate Professor*
GEORGE HENRY MEYER, A.M., *Assistant Professor*
NEIL CONWELL BROOKS, Ph.D., *Assistant Professor, Secretary*

Friedrich Günther Jacoby, Ph.D., *Lecturer*
Daisy Luana Blaisdell, A.M., *Instructor*
Charles Marshall Poor, Ph.D., *Instructor*
Charles Allyn Williams, Ph.D., *Instructor*
Leonard Bloomfield, Ph.D., *Instructor*
Armin Hajman Koller, Ph.D., *Instructor*
Louis DeVries, A.M., *Assistant*
Philip Stephen Barto, A.M., *Assistant*
Felix Emil Held, A.M., *Assistant*

Honors

Candidates for honors in German must offer:

1. A minor of at least 12 hours in some other language; if this be English it must be exclusive of English 1 and work in rhetoric; if it be French or Spanish it must be exclusive of the first year's work.

2. A minor of at least 12 hours in any one of the other humanities, provided that the courses chosen contribute in a reasonable degree to the student's knowledge of European civilization. In order to be sure that the work offered will be accepted as fulfilling this general purpose, students are urged to consult with the department in planning their work in their minor subjects.

3. A general knowledge of European history, such as is gained from History 1, or an equivalent course.

4. An acceptable thesis; it may be one written in connection with some course.

FIRST-YEAR COURSES

1. Elementary Course.—Grammar and easy reading. *I;* (4).
Assistant Professor Meyer, Assistant Professor Brooks, Miss Blaisdell, Dr. Poor, Dr. Bloomfield, Mr. Barto, Mr. Held.

3. Narrative and Descriptive Prose.—Grammar and syntax; reading of easy texts; exercises in prose composition. *II;* (4).
Assistant Professor Meyer, Assistant Professor Brooks, Miss Blaisdell, Dr. Poor, Dr. Bloomfield, Dr. Koller, Mr. Barto, Mr. Held.

Prerequisite: German 1, or one year of high school German.

Note.—Three sections of German 3 will be offered in the first semester.

SECOND-YEAR COURSES

4. DESCRIPTIVE AND HISTORICAL PROSE.—Selections from standard prose writers; sight reading; prose composition. *I;* (4).

Miss BLAISDELL, Dr. POOR, Dr. WILLIAMS, Dr. BLOOMFIELD, Dr. KOLLER, Mr. DEVRIES, Mr. BARTO, Mr. HELD

Prerequisite: German 1 and 3, or two years of high school German.

Note.—Three sections of German 4 will be offered in the second semester.

5. INTRODUCTION TO THE CLASSICS.—Schiller's *Jungfrau von Orleans;* Goethe's *Hermann und Dorothea;* or others of the classics. Prose composition. (Two sections of German 5 will be offered in the first semester.) *II;* (4).

Miss BLAISDELL, Dr. POOR, Dr. WILLIAMS, Dr. KOLLER, Mr. DEVRIES

Prerequisite: German 4, or three years of high school German.

6. SCIENTIFIC PROSE.—The rapid reading of works of a general scientific character. *II;* (4).

Dr. WILLIAMS, Dr. KOLLER, Mr. DEVRIES

Prerequisite: German 4.

THIRD-YEAR COURSES

Not more than ten hours of these courses may be counted towards a major without the approval of the head of the department.

7. MODERN FICTION.—(Intended primarily for students who take German 5 in the first semester; not open to those who have had any more advanced work than German 5.) Two sections. *II;* (3).

Miss BLAISDELL, Dr. POOR

Prerequisite: German 5, or equivalent.

10. INTRODUCTORY GOETHE COURSE.—Reading of works illustrating different periods in Goethe's development: *Götz von Berlichingen; Egmont; Iphigenie auf Tauris;* selections from *Dichtung und Wahrheit. II;* (3).

Assistant Professor MEYER, Assistant Professor BROOKS

Prerequisite: German 14, or 24, or 16.

14. INTRODUCTORY SCHILLER COURSE.—Reading of works illustrating different periods in Schiller's development: Lyrics and ballads; *Kabale und Liebe; Braut von Messina.* (Not open to freshmen.) *I;* (3).

Assistant Professor BROOKS

Prerequisite: German 5 or its equivalent.

16. Elementary Prose Composition.—Three sections. *I;* (2).
Miss Baisdell, Dr. Williams, Dr. Bloomfield
Prerequisite: German 5, or equivalent.

17. Intermediate Prose Composition.—(Three sections.) *II;* (3).
Miss Blaisdell, Dr. Williams, Dr. Bloomfield
Prerequisite: German 16.

24. Modern Drama.—Rapid reading of dramas by Grillparzer, Hebbel, Hauptmann and others. (Not open to freshmen.) *I;* (3).
Dr. Poor
Prerequisite: German 5 or its equivalent.

28. German Lyrics.—*First semester:* The chief lyric poets of the classical period. *Second semester:* The chief lyric poets of the nineteenth century. The form, development, and different types of the lyric. (Each semester may be taken separately, although students are not advised to take the second without the first. Not open to freshmen.) *I, II;* (2).
Assistant Professor Meyer
Prerequisite: For first semester, German 5 or equivalent; for second semester, German 14, or 16, or 24, or first semester of 28.

PRIMARILY FOURTH-YEAR COURSES

8. Schiller.—The life of Schiller; *Wallenstein* and other selections. *I;* (3).
Associate Professor Lessing
Prerequisite: German 10, or 14, or 28.

9a. Goethe's Faust.—The Faust legend and early Faust books and plays; the genesis of Goethe's *Faust;* reading of both parts. *I, II;* (2).
Professor Goebel

9b. Goethe-Schiller. — Interpretation of Goethe's poems. Goethe's *Tasso* and Schiller's *Ueber naive und sentimentalische Dichtung.* *I, II;* (2).
Professor Goebel
[Not given in 1911-12.]

11. German Literature After the Reformation.—Lectures; recitations; reports on assigned collateral reading. *II;* (3).
Associate Professor Lessing
Prerequisite: German 26.

25. Teacher's Course.—Discussion of methods; examination of text-books. (Open to seniors and special students who have 20 hours' credit in German.) *II;* (2).
Assistant Professor Brooks
Prerequisite: First semester of German 29 or equivalent; completion of or registration in Education 1 or equivalent.

26. GERMAN LITERATURE BEFORE THE REFORMATION.—Lectures; recitations; reports on assigned reading. *I;* (3).
Associate Professor LESSING

Prerequisite: German 10, or 24, or 28.

27. LESSING.—The life of Lessing; *Nathan der Weise; Emilia Galotti,* and other selections. *II;* (3). Associate Professor LESSING

Prerequisite: German 8, or 10, or first semester of 9 or 29.

29. ADVANCED PROSE COMPOSITION.—Themes on Germany and German life, based on suitable reading, discussed in German. *I, II;* (3). Dr. KOLLER

Prerequisite: German 17.

30. THESIS COURSE.—(Intended primarily for candidates for honors in German, but open to other seniors.) *I, II;* (1 or 2).
Professor GOEBEL, Associate Professor LESSING, Assistant Professor MEYER, Assistant Professor BROOKS

31. MIDDLE HIGH GERMAN.—*I;* (2). Professor GOEBEL

Prerequisite: Senior or graduate standing; at least three years of German.

Courses 9, 11, 29, and 31 are especially recommended to all candidates for graduate scholarships in German; these same courses, together with Course 25, are recommended to seniors who expect to teach German.

COURSES FOR GRADUATES

Graduate students desiring to take German as a major are expected to have finished successfully a four years' course of undergraduate work in German, corresponding to the four years' course in German at this University; to be familiar with the principal works of the writers of the classical and modern periods of German literature; to show a general knowledge of the history of German literature; and to have the ability of following lectures in the German language.

Of collateral subjects, a reading knowledge of Latin and French is required. It is desirable that candidates for the degree of Ph.D. have some knowledge of Greek. All students are expected to have had a course in German History.

101. SEMINAR IN GERMAN PHILOLOGY.—Herder. Results of value may be published in the *Journal of English and Germanic Philology. I, II.* Professor GOEBEL

103. INTRODUCTION TO THE HISTORICAL STUDY OF THE GERMANIC LANGUAGES.—History of German philology; comparative grammar of the Old Germanic dialects. (Lectures; discussions of special topics.) *II.* Professor GOEBEL

104. GOTHIC.—Grammar and literature. *I.* Professor GOEBEL

105. OLD HIGH GERMAN.—Grammar and interpretation of the oldest literary documents. *II.* Dr. BLOOMFIELD

110. EARLY GERMAN DRAMA.—The development of the German drama up to the Reformation; the medieval religious drama; the Shrovetide plays; the beginning of the Humanistic drama. *I.* Assistant Professor BROOKS

113. GERMAN LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES.—The literature on the background of the general history of the time. *II.* Assistant Professor BROOKS

115. HISTORY OF GERMAN LITERATURE FROM GOETHE'S DEATH TO THE PRESENT TIME.—*I, II.* Associate Professor LESSING

116. HISTORY OF LITERARY CRITICISM IN GERMANY.—*II.* Associate Professor LESSING

[Not given in 1911-12.]

117. HISTORY OF GERMAN LITERATURE DURING THE EIGHTEENTH CENTURY.—*I.* Professor GOEBEL

118. STUDIES IN THE HISTORY OF THE GERMAN DRAMA WITH SPECIAL REFERENCE TO KLEIST AND GRILLPARZER.—*I, II.* Associate Professor LESSING

119. THE GERMAN NOVEL.—Research course. *I, II.* Associate Professor LESSING

[Not given in 1911-12.]

121 WALTHER VON DER VOGELWEIDE.—Lectures and interpretations.—*II.* Professor GOEBEL

124. HISTORY OF THE DRAMA.—The beginnings and earlier development of the drama, and its development in the eighteenth century. *I.* Assistant Professor MEYER

130. DIE WELTANSCHAUUNG DER DEUTSCHEN KLASSIKER IM ACHTZEHNTEN JAHRHUNDERT.—*II.* Dr. JACOBY

SCANDINAVIAN

George Tobias Flom, Ph.D., *Assistant Professor*

UNDERGRADUATE COURSES, NOT OPEN TO FRESHMEN

1. Elementary Norwegian.—Principles of the grammar; reading; introduction to literature. *I, II;* (3). Assistant Professor Flom

2. Elementary Swedish.—Alternates with course 1. Assistant Professor Flom

[Not given in 1911-12.]

3. Advanced Norwegian.—*I;* (2). Assistant Professor Flom
[Not given in 1911-12; will be given in 1912-13.]

4. Advanced Swedish.—Tegner's Frithjofs Saga; its genesis, development and influence. Lectures on Swedish Romanticism and the "Gothic school". *II;* (2). Assistant Professor Flom

5. Introduction to Ibsen.—Early influences on Ibsen; the development of his view of life; interpretation of selected works. (Archer's translation is used; a knowledge of Norwegian is not presupposed). *II;* (2). Assistant Professor Flom

6. Ibsen's Social Dramas.—Lectures and interpretation; Ibsen's technique. (Archer's translation; knowledge of Norwegian is not presupposed). *II;* (2). Assistant Professor Flom

12. Norse Mythology.—Primitive religion; the religious belief of the Norsemen in pre-christian times; interpretation of origin and meaning of the principal myths; (Knowledge of Norse not required). *I;* (2). Assistant Professor Flom

50. Germanic Mythology.—The religion of the Teutons in the pagan period; sources; interpretation of the oldest texts; general survey of the evidences. *I;* (1). Assistant Professor Flom
Prerequisite: Senior standing, and course 12 or some advanced work in German.

COURSES FOR GRADUATES

Preparation for graduate work should include a general introduction to Germanic philology, such as is contained in a course in Gothic and Old English. However, a student who has, through systematic work, attained a high degree of efficiency in one of the modern Scandinavian languages may pass on to graduate work in Scandinavian philology with the introductory work in Germanic philology.

Preparation for graduate work in literature should include a thorough reading knowledge of the language and systematic work in the undergraduate courses in Scandinavian or the equivalent of these in other colleges.

101. OLD NORSE.—Introduction to the language as a member of the Germanic group; grammar; Holthausen's altisländisches Lesebuch; the Prose Edda; selections from Konungs Skuggsja. *Twice a week; I, II.* Assistant Professor FLOM

102. OLD DANISH.—Introduction to the language. Bertelsen's Dansk sproghistorisk Læsebog and Olrik's Danske Folkeviser i Udvalg. *Twice a week; I.* Assistant Professor FLOM

103. OLD SWEDISH.—*Twice a week; II;* (2). Assistant Professor FLOM

[Not given in 1911-12.]

110. ADVANCED OLD NORSE.—The Elder Edda and selections from the Dhidhrekssaga. Lectures on the Eddic myths. *Twice a week; I, II.* Assistant Professor FLOM

GREEK

(See THE CLASSICS.)

HISTORY

*EVARTS BOUTELLE GREENE, Ph.D., *Professor*
GUY STANTON FORD, Ph.D., *Professor*
CLARENCE WALWORTH ALVORD, Ph.D., *Associate Professor*
LAURENCE MARCELLUS LARSON, Ph.D., *Assistant Professor*
WILLIAM SPENCE ROBERTSON, Ph.D., *Assistant Professor*
SOLON JUSTUS BUCK, A.M., *Research Associate*
FRANK EDGAR MELVIN, A.M., *Assistant*
ELIZABETH PARNHAM BRUSH, A.B., *Assistant*
ROSCO CHANDLER INGALLS, A.M., *Assistant*
CHARLES MANFRED THOMPSON, A.M., *Assistant*

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*On leave from February 1, 1912

Students who expect to teach history or to make that subject a major are advised to take History 1 during their freshman year. For the sophomore year History 3, 11, and 23 are recommended. During the junior and senior years students may select courses from groups B and C, in accordance with their individual tastes and interests. For those who expect to teach in secondary schools some work in ancient history is desirable.

The importance of thorough linguistic training is also emphasized, especially in Latin, French, and German.

Honors

Candidates for honors in history must offer:

1. Not less than 24 hours in this subject, inculding History 1 and 3, at least 3 hours of English history, and at least 6 hours in Group C.

2. Two minor subjects aggregating at least 24 hours, approved by the department, including in each case some advanced work. The minors must be selected from the following list: Economics; political science; philosophy, including a course in logic and one in the history of philosophy (One course in education or psychology may be accepted as a part of the requirement in philosophy.); English literature, not including English 1; the classics. Economics or political science must be offered as one of the minor subjects. The ability to read simple prose in one foreign language is ordinarily expected of candidates in history, and students who have pursued the study of Romance languages or Germanic languages so far as to include courses in the history of literature may count one of these subjects as a minor.

A. COURSES OPEN TO FRESHMEN

(Seniors taking these courses may receive half credit only.)

1. CONTINENTAL EUROPEAN HISTORY.—Europe from the fourth century to the present time. (The work of neither semester may be taken separately without special permission.) *I, II;* (4).

Professor FORD, Mr. MELVIN, Miss BRUSH, Mr. INGALLS

11. HISTORY OF ENGLAND TO 1589.—This course my be combined with English economic history, (Economics 7), or Continental European history (History 1.) *II;* (3). Assistant Professor LARSON

B. UNDERGRADUATE COURSES NOT OPEN TO FRESHMEN

3. HISTORY OF THE UNITED STATES.—*First Semester:* The Colonial era; the Revolution; genesis of the federal constitution. *Second semester:* The United States under the constitution. (The work of either semester may be taken separately.) *I, II;* (3).

Professor GREENE, Assistant Professor ROBERTSON, Mr. MELVIN

Prerequisite: One year of college work.

5. History of Greece.—See Greek 20.

6. History of Rome.—See Latin 19.

7. The Revolutionary and Napoleonic Era.—French conditions in the eighteenth century before 1774; the events between 1774 and 1789 which precipitated the revolution in France; the reform work of the early revolution; the Napoleonic regime in France and Europe. *I;* (3). Professor Ford
Prerequisite: History 1.

20. Europe in the Nineteenth Century.—The national movements of the nineteenth century and the European conditions which form the basis of modern world politics. *II;* (3). Professor Ford
Prerequisite: History 1.

23. History of Modern England.—The colonial and imperial phases of English history. (A continuation of History 11.) *I;* (3).
Assistant Professor Larson
Prerequisite: History 1 or 11.

28. Thesis.—(For candidates for honors and for other seniors who wish special training in investigation.) *I, II;* (2).
Assistant Professor Robertson and other members of the department

C. COURSES FOR GRADUATES AND QUALIFIED UNDERGRADUATES

4. The Constitutional History of England.—*First semester:* Institutional origins. *Second semester:* Modern constitutional practice. (For students who wish to specialize in English history, political science, or law.) *I, II;* (3) Assistant Professor Larson
Prerequisite: History 1; or 11 and 23.

8. Medival Culture.—*I;* (3).
Prerequisite: History 1.
[Not given in 1911-12.]

9. The Era of the Renaissance.—*II;* (3).
Prerequisite: History 1.
[Not given in 1911-12.]

13. American History, 1760-1783.—*I;* (3).
Professor Greene
Prerequisite: History 3.
[Not given in 1911-12.]

14. The Making of the Federal Constitution.—*I;* (3).
Prerequisite: History 3.
[Not given in 1911-12.]

15. AMERICAN HISTORY, 1841-1865.—Expansion; slavery; sectionalism; the Civil War. *II;* (3). Dr. BUCK

Prerequisite: History 3.

16. THE HISTORY OF THE EXPLORATION AND COLONIZATION OF THE WEST FROM THE EARLIEST TIMES TO 1818.—The struggle of France, Great Britain, Spain, and the United States for the possession of the West; the colonial policy followed by each nation. *I;* (2). Associate Professor ALVORD

Prerequisite: History 3.

17. THE HISTORY OF ILLINOIS, 1818-1870.—The development of a typical commonwealth in the Middle West. *II;* (2).
Associate Professor ALVORD

Prerequisite: History 3.

18. THE TEACHING OF HISTORY.—The practical problems of historical teaching in secondary schools.

Assistant Professor LARSON, assisted by other members of the department

Prerequisite: Senior standing, including History 1 and 3 or their equivalents.

21. THE HISTORY OF THE UNITED STATES SINCE THE CIVIL WAR.—Historical introduction to contemporary American politics. *I;* (3). Assistant Professor ROBERTSON

Prerequisite: History 3.

22. AMERICAN HISTORY, 1820-1860.
[Not given in 1911-12.]

26. THE HISTORY OF THE LATIN-AMERICAN COLONIES.—The political, economic, social, and intellectual life of Spain during the period of discovery; the exploration, settlement, and civilization of Spanish-America and the Philippines; the exploration and colonization of Brazil. *I;* (2). Assistant Professor ROBERTSON

Prerequisite: History 1 or 3.

27. THE HISTORY OF LATIN-AMERICA FROM THE WARS OF INDEPENDENCE TO THE PRESENT TIME.—The national history of the leading Latin-American states; political parties; existing governments; relations with Europe and the United States. The old regime in Texas, Mexico, and California. *II;* (2).
Assistant Professor ROBERTSON

Prerequisite: History 3.

D. COURSES FOR GRADUATES

A student entering upon graduate work in history should have had at least the equivalent of the introductory college courses in English, Continental European, and American history. Emphasis is laid upon linguistic preparation. All historical students should have at least a reading knowledge of German and French; for medieval history some knowledge of Latin is indispensable, and in certain fields of American history Spanish is needed. The requisite reading knowledge of French and German should be secured before the student enters on his second year of graduate work.

Advanced courses in history at the University of Illinois are of three kinds: 1. Instruction in methodology, histography, and bibliography. This work is done at present by the co-operation of various instructors in course 103 described below, and is required of all graduate students in history during their first year. 2. Seminar courses for the study of special fields with a view primarily to training in the methods of historical criticism and research. 3. Courses for information and guidance in general reading.

Research or seminar work in history is offered in the following fields: Medieval history, English history with emphasis upon medieval institutions and the eighteenth century; modern European history with special reference to the rise of Prussia and the revolutionary and the Napoleonic era; American history with special reference to institutions and western development; the history of Latin America. Research topics in these special fields will commonly be arranged in cycles so that a new topic may be taken up in each of the three years devoted to graduate work.

As illustrating the resources of the library for historical purposes the following items may be noted: In American history there are strong collections of colonial and federal documents and of the writings of statesmen, and such periodicals as Niles' Register. As the result of recent acquisitions the collection is especially rich in contemporary material dealing with the American revolution and the history of the West in the eighteenth century. In English history there are such standard sets as the Statutes of the Realm, the Parliamentary Debates, the Rolls Series, the Calendars of State Papers, and the Reports of the Historical Manuscripts Commission. The library has also purchased recently some of the important collections in the field of Continental European history. A valuable addition to the resources of the department is the library of western history collected by the late Edward G. Mason, a former president of the Chicago Historical Society. This library now constitutes the Mason Collection of the Champaign Public Library. Attention is also called to the fact that the University of Illinois has for some time co-operated with the Illinois State Historical Society and the trustees of the State Historical Library, in the gathering and editing of archive material. As a result of this relation instructors and graduate students in the department have, from time to time, contributed to the publications of these state organizations and have been given useful training in the study of manuscript as well as printed material.

101. Seminar in American History.—The general bibliography of American history; the co-operative study of typical problems. (At the option of the instructors and the students this course may also include the preparation of a thesis.) *Two hours, once a week; I, II.* Professor Greene, Associate Professor Alvord, Dr. Buck

102. Studies in English History.—*Twice a week; I, II.*
Assistant Professor Larson

103. Historical Bibliography and Criticism.—Selected problems in various fields. (Required of all candidates for an advanced degree in history who do not present evidence of similar training elsewhere.) *Twice a week; I, II.* Professor Ford and others

104. Seminar in Modern European History.—The subject selected for 1911-12 is the diplomatic relations between France and Prussia in the period of the French Revolution. *I, II.*
Professor Ford

105. The History of Western Expansion, 1763-1818.—Lectures and readings; problems in the interpretation of western history. *Once a week; I, II.* Assistant Professor Alvord

106. The Formation and Development of Brandenburg-Prussia from 1640 to 1786.—*Twice a week; I, II.* Professor Ford
[Not given in 1911-12.]

107. Selected Topics in the History of the Nineteenth Century.—Certain events, persons, and movements selected for intensive study. (Graduate students taking this course, who have not had the equivalents of History 7 and 20, will be expected to attend the exercises in those courses.) *Twice a week; I, II.*
ProfessorFord.

110. The Spanish-American Revolution.—*Two hours, once a week; I.* Assistant Professor Robertson

111. The Spanish-American Diplomacy.—The problems in the

relations of the leading Spanish-American states with Europe and the United States. *Two hours, once a week; II.*

Assistant Professor Robertson

History 110 and 111 are open only to students who possess a reading knowledge of the Spanish language.

112. Selected Topics in the History of the American Colonies in the Eighteenth Century.—*Two hours a week; II.*

Professor Greene

[Not given in 1911-12.]

HORTICULTURE

Joseph Cullen Blair, M.S.A., *Professor, Pomology*
John William Lloyd, M.S.A., *Professor, Olericulture*
Charles Spencer Crandall, M.S., *Professor, Pomology*
Hugh Potter Baker, Ph.D., *Professor, Forestry*
Herman Bernard Dorner, M.S., *Assistant Professor, Floriculture*
Ernest Winifred Bailey, M.S., *Associate, Pomology*
Louis Brandt, B.S., *Instructor, Landscape Gardening*
Charles Elmer Durst, B.S., *Instructor, Olericulture*
Arno Herbert Nehrling, *Instructor, Floriculture*

1. Principles of Fruit Growing.—Location with reference to climate and markets; planting; soil treatment; pruning; protection from insects and diseases; harvesting; marketing. Recitations; reference readings; practical exercises. *I;* (5).

Professor Lloyd, Mr. Durst

2. Small Fruit Culture.—The strawberry; respberry; blackberry; dewberry; currant; gooseberry; cranberry. History; importance; extent of cutivation; soil; location; fertilizers; propagation; planting; tillage; pruning; insect enemies; diseases; varieties; harvesting; marketing; profits. Recitations; reference readings. *II;* (2).

Professor Lloyd

3. Vegetable Gardening.—The cultural requirements of each of the common vegetables. Text book; one practical exercise a week. *II;* (3).

Professor Lloyd, Mr. Durst

4. Plant Houses.—Construction, cost, and maintenance; heating; ventilating. *II;* (3).

Assistant Professor Dorner

5. Plant Propagation.—Grafts; buds; layers; cuttings; seeds. Lectures; laboratory; quizzes. *II;* (5).

Assistant Professor Dorner, Mr. Nehrling

6. NURSERY METHODS.—Some details of nursery management and their relation to horticulture in general. Lectures; reference readings. *II; first half;* (2½). Mr. BAILEY

Prerequisite: Horticulture 1, 5; Entomology 4.

7. SPRAYING.—Materials, appliances, and methods employed in the combating of insects and fungus diseases. Recitations; reference readings; laboratory; field work. *II; second half;* (2½). Professor LLOYD

Prerequisite: Horticulture 1; Entomology 4; Chemistry 1.

8. ORCHARDING.—Pomaceous and drupaceous fruits; management of large commercial orchards; harvesting; grading; packing; storing; marketing. Laboratory practice in identification and description of varieties; judging fruit exhibits. *II;* (5). Professor CRANDALL, Mr. BAILEY

Prerequisite: Horticulture 1; Botany 2 or 11.

9. FORESTRY.—Forest trees; uses; distribution; artificial production; relations of forest and climate; forestry legislation and economy. *II;* (2). Professor BURRILL

Prerequisite: Botany 11, or an equivalent.

10a. LANDSCAPE GARDENING.—Problems; plant studies; home surroundings. (Preliminary course; required of agricultural students; open to all students.) *I;* (3). Mr. BRANDT

Prerequisite: One year of university work or special preparation.

10b. LANDSCAPE GARDENING.—Continuation of course 10a. *II;* (3). Mr. BRANDT

Prerequisite: Horticulture 10a.

11. STUDY OF CULTIVATED PLANTS.—The relationships and classification of certain economic and ornamental plants of the temperate zone; identification of species; examination of living plants and herbarium specimens. Lectures; assigned readings. *I;* (2). Professors BLAIR, CRANDALL

Prerequisite: Botany 2.

12. EVOLUTION OF HORTICULTURAL PLANTS.—History, botanical classification, and geographical distribution of cultivated plants; modification under culture; theoretical causes and observed factors that influence variation, particularly food supply, climate, and cross-fertilization. *I; second half;* (2½). Professor CRANDALL

Prerequisite: Two years of university work, including Horticulture 1 and Botany 2.

13. VITICULTURE.—The grape and its products. *I; second half;* (2½). Professor CRANDALL

Prerequisite: Horticulture 1, 5.

14. NUT CULTURE.—The cultivation and management of nut-bearing trees for commercial purposes. *II; first half;* (2½). Professor CRANDALL

Prerequisite: Horticulture 1, 5.

15a. PRINCIPLES OF PLANT GROWING.—Preparation of soils for greenhouse crops; fertilizers; potting and shifting plants; watering. Lectures; practical greenhouse work. *II;* (5). Assistant Professor DORNER

Prerequisite: Horticulture 4, 5; Botany 2.

15b. COMMERCIAL CROPS.—Greenhouse plants and cut flowers for wholesale and retail markets; the care and marketing of the crops. *I;* (5). Assistant Professor DORNER

Prerequisite: Horticulture 15a.

16. GENERAL HORTICULTURE.—Fruit-growing; vegetable gardening; floriculture; ornamental planting. (For students not registered in the College of Agriculture.) *I;* (5). Professors CRANDALL, LLOYD, Assistant Professor DORNER

17. COMMERCIAL HORTICULTURE.—Work in houses, orchards, and gardens. (For students intending to follow horticulture as a business.) *I or II;* (5). Professors LLOYD, CRANDALL

Prerequisite: Special permission to register.

18. EXPERIMENTAL HORTICULTURE.—Methods and difficulties in horticultural investigations; the planning of experiments; recording and interpretation of results. (For advanced students preparing for experiment station work.) *II;* (5). Professors BLAIR, CRANDALL, LLOYD

Prerequisite: Twenty hours' work in horticulture.

19. AMATEUR FLORICULTURE.—Window gardening; the growing of flowers upon the home grounds; containers; potting soils; fertilizers; preparation and planting of flower beds; propagation and culture of plants suitable for window and garden. (For students of household science.) *I, II;* (1). Assistant Professor DORNER

Prerequisite: The first semester's work is a prerequisite to the second.

20. MARKET GARDENING.—Growing and handling vegetables for market. Laboratory. *II; second half;* (2½). Professor LLOYD, MR. DURST

Prerequisite: Horticulture 3.

21. SPECIAL VEGETABLE CROPS.—An exhaustive study of some vegetable or group of vegetables; individual work. Reference readings and field experiments. *II; second half and summer vacation;* (2½-5). (Open only to students who can remain during the summer vacation.) Professor LLOYD, Mr. DURST

Prerequisite: Horticulture 3.

22. SPECIAL INVESTIGATION AND THESIS WORK.—*I, II;* (5-10).

23. LANDSCAPE DESIGN.—The composition of public and private grounds; plans and reference readings. (Non-professional students electing this course may take only *I; second half; II; first half.*) *I, II;* (2). Mr. BRANDT

Prerequisite: Architecture 18.

24. ORNAMENTAL TREES AND SHRUBS.—Characters; culture; suitability for landscape work; problems in arrangement; planting plans. *I, II;* (3). Mr. BRANDT

Prerequisite: Botany 11 or its equivalent; Horticulture 10b.

25. ADVANCED LANDSCAPE DESIGN.—Landscape and garden composition; plans and problems. *I; second half; II; first half;* (3; more by special arrangement.) Mr. BRANDT

Prerequisite: Horticulture 23.

26. LANDSCAPE PLANTING PLANS.—Planting design; plans for landscape and garden planting; arrangement of plants in detail. *I; second half; II; first half;* (3; more by special arrangement.) Mr. BRANDT

Prerequisite: Horticulture 10b, 24 (first half semester).

27. LANDSCAPE PRACTICE.—Grading plans; working drawings; specifications; contracts. *I, II;* (1). Mr. BRANDT

Prereqiusite: Civil Engineering 22; Horticulture 23.

28. EXOTICS.—Tender decorative plants used in landscape gardening. *I; first half; II; second half;* (1). Mr. BRANDT

29. HERBACEOUS PERENNIALS AND ANNUALS.—Characters; values; climatology; suitability for landscape work and ornamental arrangement; planting plans. *I, II;* (3). Mr. BRANDT

Prerequisite: Horticulture 10b.

30. DECORATIVE AND BEDDING PLANTS.—Tropical and sub-tropical plants used in decorative work in the conservatory; tender plants used in out-door bedding. Lectures; practical greenhouse work. *II;* (5). Assistant Professor DORNER

Prerequisite: Horticulture 15a.

31. GARDEN FLOWERS.—The propagation and growing of annuals,

herbaceous perennials, bulbs, and shrubs for cut flowers and ornamental plantings. *I;* (5). Assistant Professor Dorner

Prerequisite: Horticulture 4 and 5; Botany 2.

32. Floral Decoration.—Cut flowers and plants in decorative work; arrangement of flowers in baskets; designs and bouquets; table decoration; house decoration; *II; first half;* (2½).
Assistant Professor Dorner

COURSES FOR GRADUATES

At least two years of collegiate work in horticulture and allied subjects and the requisite preparation for the chosen topics are required for entrance upon major work in this department.

102. Pomology.—Special problems in adaptation, propagation, cultivation, or pruning of small fruits. Professor Crandall

103. Olericulture.—Special problems in structure, cultural requirements, and improvement of vegetables. Professor Lloyd

108. Pomology.—Special problems in relationship, adaptation, improvement, propagation, cultivation, pruning, protection, preservation, or marketing of orchard fruits.
Professors Blair and Crandall

109. Forestry.—Problems in general forestry and investigation of forest growths. Professor Burrill

115. Floriculture.—The horticultural status of some flowering plants; or special problems in the culture of greenhouse plants.
Assistant Professor Dorner

HOUSEHOLD SCIENCE

Isabel Bevier, Ph. M., *Professor*
* ~~Susannah~~ Usher, S. B., *Assistant Professor*
Nellie Esther Goldthwaite, Ph. D., *Assistant Professor*
~~Charlotte~~ Mitchell Gibbs, A. M., *Associate*
Helena Maude Pincomb, B. S., *Associate*
~~Harriet~~ Beckwith Rinaker, A. M., *Instructor*
Nina Belle Crigler, B. S., *Instructor*
Pauline Wurster, M. S., *Instructor*
Cora Emeline Gray, M. S., *Instructor*

1. Principles of the Selection and Preparation of Food.—Nature and uses of food; chemical composition; changes effected by heat, cold, or fermentation; the principles of selection illustrated by

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* On leave of absence.

marketing expeditions; the manufacture of food; the combinations of different kinds. *II;* (3).

Miss Crigler, Miss Wurster, Miss Gray

Prerequisite: Entrance credit in Physics; Chemistry 1.

2. Home Architecture and Sanitation.—Situation, surroundings, and construction of the house; hygiene of the home; heating, lighting, ventilation, water supply, and drainage; house planning; practice in making skeleton plans; sanitary plumbing; fixtures; internal drainage. Lectures. *I;* (2).

Professors Bevier, Mann, White, Miss Gibbs, Miss Pincomb, Mr. Clark

3. Elementary Home Decoration.—Evolution of the house; homes of primitive peoples; theory of color and its application in home decoration; evolution of the home; furnishings from a sanitary and artistic standpoint. (Continuation of course 2.) *II;* (2).

Professors Bevier and Ricker

Prerequisite: Art and Design 1, 12; Household Science 2.

4. Food and Nutrition.—Application of the principles of pure science to the physiological, chemical, and bacteriological problems of food and nutrition. Individual investigation. *I;* (5).

Assistant Professor Goldthwaite

Prerequisite: Botany 5; Chemistry 1, 2, 3, 13a, 9, 9c; five hours in botany or zoology; Household Science 1, 5, 6.

5. Dietetics.—Principles of diet; relation of food to health; influence of age, sex, and occupation on diet; construction of dietaries; dietetic treatment of certain diseases. Laboratory. *II;* (3).

Assistant Professor Goldthwaite

Prerequisite: Household Science 1, 6; Physiology 4; Chemistry 1, 2, 3.

6. Economic Use of Food.—The economic side of the food question; uses and application of preservatives. (Continuation of course 1.) *I;* (3). Miss Crigler, Miss Wurster, Miss Gray

Prerequisite: Household Science 1.

7. Textiles.—Development of primitive industries; production of fibers used in textile manufacture; practice in judging cloth and in the application of the principles of selection of color and design in costumes. *I;* (2). Miss Gibbs

9. Seminar.—*II;* (3). Professor Bevier

10. Household Management.—Organization of the household; expenditure of income; care of the family and house; principles of home nursing. (Open to juniors and seniors.) *I;* (2). Miss Gray

Prerequisite: Household Science 1, 2, 6, 7; Economics 1.

11. TEACHERS' COURSE.—The best method of presenting the work, and its correlation with other subjects; practice in planning courses; some opportunity for presenting them. (For the prospective supervisor of the subject, or the teacher in graded schools. Open to seniors.) *II;* (3). Professor BEVIER, Miss PINCOMB

Prerequisite: Household Science 1, 2, 3, 5, 6, 7, 12, 13.

12. HOUSEHOLD ART AND CLOTHING.—Materials suitable for various uses in home and in clothing; texture, quality, and design in relation to form; color in relation to environment and personality; hygienic properties and cost. Lectures; laboratory Saturday forenoons, *I.* (Continuation of course 7; required of those registered in course 11.) *II;* (3). Miss GIBBS

Prerequisite: Household Science 7; Art and Design 1; at least 30 hours of university work.

13. HISTORY OF HOME ECONOMICS.—Origin and development of home economics; the work in various types of institutions; courses for these types. (Open to juniors and seniors.) *I;* (1). Professor BEVIER

14. SPECIAL PROBLEMS IN CONNECTION WITH THE SERVICE OF FOOD.—Marketing; domestic storage; management of menus; utilization of waste food materials as modified by special conditions. (Continuation of course 6.) *II;* (3). Miss GRAY

Prerequisite: Household Science 6.

15. ECONOMICS OF THE FAMILY GROUP.—The history and various forms of the family; its economic organization for securing, distributing, and expending its income; its relations to other economic and social units in the community; the industrial organization of the family; money, and other income; the laws of consumption and the interplay of economic physiological and psychological motives in expenditure and consumption; the reaction of the changing forms of modern industry on family industry; the economic, social, and legal relations of the members of the family; the economic position of woman in modern society; the domestic service problem; retail and wholesale markets. *II;* (3). Miss GRAY

Prerequisite: Household Science 3, 10, 12, 14; Economics 1.

16. PROBLEMS IN THE ECONOMICS OF THE FAMILY GROUP.—Special problems. The work is individual and is done in the senior seminar in economics. *I, II;* (2-4). Professor KINLEY

Prerequisite: Household Science 15.

17. PROBLEMS IN THE STUDY OF TEXTILES.—The quality of ma-

terial; microscopic and chemical analysis of fabrics; movements related to the textile industry. Lectures, laboratory. *II;* (3).
Miss GIBBS

Prerequisite: Household Science 7, 12; Chemistry 1, 2, 3.

COURSES FOR GRADUATES

Students who wish to do graduate work in Household Science will find it to their advantage to specialize in either the scientific or the economic phases of the subject. In either case they should be able to offer an equivalent for twenty hours of household science given in the University of Illinois, with a minimum of one and one-half years of chemistry, a year of biological science, and a year of either economics or sociology.

101. HOME ECONOMICS.—The industrial, educational, and sociological aspects of the origin and development of home economics.
Professor BEVIER

102. SPECIAL INVESTIGATION.—Problems in the application of the principles of bacteriology, chemistry, and physiology to the ordinary processes used in the preparation of food.
Professor BEVIER, Assistant Professor GOLDTHWAITE

ITALIAN

(See ROMANCE LANGUAGES AND LITERATURE.)

JOURNALISM

(See RHETORIC 12, 15, under THE ENGLISH LANGUAGE AND LITERATURE.)

LANDSCAPE GARDENING

(See HORTICULTURE.)

LATIN

(See THE CLASSICS.)

LAW

OLIVER ALBERT HARKER, A.M., LL.D., *Professor, Dean*
FREDERICK GREEN, A.M., LL.B., *Professor*
EDWARD HARRIS DECKER, LL.B., *Professor*
JOHN NORTON POMEROY, A.M., LL.B., *Professor*
CHESTER GARFIELD VERNIER, A.B., J.D., *Professor and Secretary of the College*
I MAURICE WORMSER, A.B., LL.B., *Assistant Professor*

ROBERT LLEWELLYN HENRY, JR., J.D., B.C.L., *Assistant Professor*
ROGER FRANK LITTLE, A.B., LL.B., *Instructor*

1. CONTRACTS.—*Williston's Cases; selected Illinois cases.* (First year. Open to students in Literature and Arts, with credit.) *I;* (5): *II;* (3). Professor DECKER

2. TORTS.—*Burdick's Cases.* (First year. Open to students in Literature and Arts, with credit.) *I, II* (3). Assistant Professor HENRY

3. REAL PROPERTY.—*Gray's Cases, Vols. I and II.* (First year. Open to students in Literature and Arts, with credit.) *II;* (3). Assistant Professor WORMSER

4. COMMON LAW PLEADING.—(First year.) *II;* (3). Mr. LITTLE

4a. ILLINOIS PROCEDURE.—(Third year.) *I;* (3). Professor HARKER

5. CRIMINAL LAW AND CRIMINAL PROCEDURE.—*Mikell's Cases.* (First year.) *I;* (4). Professor GREEN

6. PERSONAL PROPERTY.—*Gray's Cases, Vol. I.* (First year. Open to students in Literature and Arts, with credit.) *I;* (2). Professor VERNIER

7. DOMESTIC RELATIONS.—*Woodruff's Cases on Domestic Relations (2nd ed.)* (First year.) *II;* (2). Professor VERNIER

8. EVIDENCE.—*Thayer's Cases.* (Second year.) *I;* (3): *II;* (2). Assistant Professor WORMSER

9. SALES.—*Williston's Cases.* (Elective, second or third year.) *II;* (3). Assistant Professor HENRY

10. REAL PROPERTY.—*Gray's Cases, Vols. II and III.* (Second year.) *I;* (4). Assistant Professor WORMSER

11. AGENCY.—*Wambaugh's Cases.* (Second year.) *I;* (3). Professor VERNIER

12. EQUITY.—*Ames' Cases.* (Second year.) *I;* (3); *II* (2). Professor POMEROY

13. DAMAGES.—*Beale's Cases, 2nd Ed.* (Elective, second or third year.) *I;* (2). Professor DECKER

14. CARRIERS.—*Green's Cases.* (Elective, second or third year.) *II;* (3). Professor GREEN

15. BILLS AND NOTES.—*Huffcut's Cases (Colson's Ed.).* (Third year.) *I;* (3). Professor VERNIER

16. TRUSTS.—*Ames' Cases.* (Elective, third year.) *II;* (3). Professor VERNIER

17. PRIVATE CORPORATIONS.—*Warren's Cases.* (Third year.) *I;* (2): *II;* (2). Assistant Professor WORMSER

18. Wills.—*Costigan's Cases.* (Second year.) *II;* (2).
Professor Pomeroy

19. Partnership.—*Mechem's Cases.* (Third year.) *I;* (2).
Assistant Professor Henry

20. Equity Pleading.—*Thompson's Cases on Equity Pleading; Selected Illinois Cases.* (Second year.) *II;* (2).
Professor Harker

21. Suretyship.—*Ames' Cases.* (Third year.) *II;* (3).
Professor Decker

22. Constitutional Law (a).—*Hall's Cases.* (Third year.) *I;* (3).
Professor Green

23. Mortgages.—*Wyman's Cases.* (Elective, third year.) *II;* (2).
Professor Pomeroy

24. Municipal Corporations.—*Beale's Cases on Municipal Corporations.* (Elective, third year.) *I;* (2).
Assistant Professor Henry

25. Bankruptcy.—*Williston's Cases.* (Elective, third year.) *II;* (2).
Professor Decker

26. Moot Court.—(Second year.) *I, II;* (2).
Professor Harker

27. Future Interests in Property.—*Gray's Cases, Vol. V.* (Elective, second or third year. Not given in 1911-12, but in 1912-13 and in alternate years.) *II;* (3).
Assistant Professor Henry

28. Insurance.—*Wambaugh's Cases.* (Elective, second or third year. Given in 1911-12 and in alternate years.) *II;* (2).
Professor Green

29. Conveyancing. Lectures. (Elective, second or third year. Given in 1911-12 and in alternate years.) *II;* (1).

30. Public International Law.—*Lawrence's Principles* and *Scott's Cases.* (Elective, second or third year.) *I;* (3).
Mr. Mathews

31. Conflict of Laws.—*Beale's Shorter Selection of Cases on Conflict of Laws.* (Elective, third year.) *II;* (2).
Professor Vernier

32. Quasi-Contracts.—*Woodruff's Cases.* (Elective, second or third year. Not given in 1911-12, but in 1912-13 and in alternate years.) *II;* (2).

33. Constitutional Law (b).—*Hall's Cases.* *II;* (2).
Professor Green

LIBRARY SCIENCE

Phineas Lawrence Windsor, Ph.B., *Director*

Albert Sherwood Wilson, A.B., B.D., *Assistant Director, Assistant Professor of Library Economy*

Frances Simpson, M.L., B.L.S., *Assistant Professor of Library Economy*

Anna May Price, A.M., B.L.S., *Assistant Professor of Library Economy*

Florence Rising Curtis, A.B., B.L.S., *Instructor in Library Economy*

Edna Lyman, *Special Lecturer, Library work with children*

Frances Keese Wynkoop Drury, A.M., B.L.S., *Lecturer, Order Work*

Philip Sanford Goulding, A. B., *Lecturer, Cataloging*

Jacob Hodnefield, A.M., *Lecturer, Exchanges*

Margaret Hutchins, A.B., B.L.S., *Lecturer, General Reference*

Alice Sarah Johnson, B.L.S., *Lecturer, General Reference*

Emma Reed Jutton, B.L.S., *Special Lecturer, Loan Department*

Adah Patton, B.L.S., *Special Lecturer, Classification and Subject Headings*

Mary H. Clark, *Special Lecturer, Cataloging*

Nellie Correy Geddes, A.B., B.S., *Lecturer, Departmental libraries*

Ola M. Wyeth, A.B., B.L.S., *Lecturer, Departmental libraries*

John Boynton Kaiser, A.B., B.L.S., *Lecturer, Departmental libraries*

Jennie Adah Craig, A.B., B.L.S., *Lecturer, Departmental libraries*

Margaret Lucy Kingsbury, A.B., *Lecturer, Departmental libraries*

2. Reference Work.—Methods of research; the use of reference books; practical work in the reference department of the University library. *I, II;* (3). Assistant Professor Simpson

3. Selection of Books.—Selection of books for libraries of different types; practice in writing book annotations for library catalogs and bulletins. *I. II;* (2). Assistant Professor Price

4. Practice Work.—Four hours a week of practical work in the various departments of the University library. To be taken with Library 2, 16, 17, 18, 19, 20, and 21. *I, II;* (2). Miss Curtis

6. Subject Bibliography.—Selection of books in special subjects; treatment of the literature and bibliography of each. Lectures

given by professors in the respective departments of the University. *I, II;* (2).

7. History of Libraries.—The foundation, development, and resources of the leading libraries of Europe and the United States. *II;* (2). Assistant Professor Simpson

8. Advanced Reference.—Transactions of learned societies; special periodicals and government publications; indexes and other works of value to a large reference department. *I;* (2).
Assistant Professor Simpson

Prerequisite: Library 2.

9. Bookmaking.—History of the early forms of books; the invention and spread of printing; book illustration; book-binding. *II;* (2). Director Windsor

10. Practice Work.—Eight hours a week; a continuation of Library 4, supplemented by one month of work as a member of the staff of an assigned public library. *I, II;* (4). Miss Curtis

12. General Reference.—Classification and arrangement of books in the University library; the card catalogs; the more generally used reference books. (Intended for freshmen and sophomores in the University, rather than for students registered in Library School.) Repeated each semester. *I or II;* (2).
Assistant Professor Simpson, Miss Hutchins, Miss Johnson

13. Public Documents.—13a.—Production and acquisition of Federal documents; their treatment and use as reference books. 13b.—American state and municipal documents; publications of foreign governments. (Second semester elective to students who have completed 13a.) *I, II;* (2). Assistant Professor Wilson

15. Seminar in Library Economy.—Special problems; library economy publications; independent work. *I, II;* (2).
Assistant Professor Wilson and others

16. Order, Accession, and Shelf Work.—Order department records and routine; book-buying; publishers and discounts; copyright; serials and continuations; gifts; exchanges; duplicates; the accession book and its substitutes; the shelf list and its uses; the care of pamphlets, clippings, and maps. *I;* (2). Miss Curtis

17. Classification.—Principles of book classification; the Dewey Decimal Classification; the Cutter Expansion Classification; book numbers. *I;* (3). Assistant Professor Price

18. Cataloging.—Dictionary cataloging; assignment of subject headings; classed cataloging; sixty hours of cataloging for the University library. *I;* (3). Assistant Professor Price

19. Trade Bibliography.—Books and periodicals used as tools of the book trade of America, England, Germany, France, Italy, Spain, Holland, and the Scandinavian countries. *II;* (1).

Assistant Professor Price

20. Loan Department.—Records connected with the loan of books; representative loan systems; rules, regulations, and practices. *II;* (1). Assistant Professor Wilson

21. Printing, Binding, and Indexing.—*Printing:* Printing for libraries; practice in preparing copy and in reading proof; visits to print shops. *Binding:* Materials and methods of book-binding; bindings suitable for library use; visits to binderies; practice in preparing books for the bindery and in making necessary records; practice in the repair of books. *Indexing:* Indexes; the form of citation; the choice and arrangements of headings; kind of type; practice in the indexing of books and magazines. *II;* (2).

Director Windsor, Miss Curtis

22. Library Extension.—Methods; library associations; library schools; library commissions; township and county library systems; traveling libraries; home libraries; other agencies. *II;* (3).

Assistant Professor Wilson

23. Library Administration and Current Library Literature.—Current library periodicals, bulletins, reports, catalogs, and reading lists; the organization, reorganization, and administration of small libraries; the planning and equipment of reading rooms and small library buildings; library accounts and business forms. *I, II;* (1).

Miss Curtis

24. Selection of Books.—English translations of representative works of French, German, Spanish, and Italian novelists of the 19th century; examination of about forty newly published books sent each month to the School for inspection. *I, II;* (2).

Assistant Professor Price

25. Advanced Classification and Cataloging.—The principal systems of book classification; rules for cataloging books. *II;* (1).

Assistant Professor Price

Prerequisite: Library 17, 18.

26. Library Administration.—Advanced order work; library organization; library architecture; library work with children; lectures on special topics by visiting librarians, members of the faculty, and the library staff. *I, II;* (3).

Assistant Professors Wilson, Price, Assistant Librarian Drury, Miss Lyman, and others

27. Bibliographical Institutions.—Organization and work of societies and institutions of America and Europe interested in the production of bibliographical material; coöperative undertakings; international bibliography. *I;* (1). Assistant Professor Wilson

28. Practice Work.—(Students may elect special practice work in certain departments of the University library.) *II;* (1 to 4.) Director Windsor

MATHEMATICS

Samuel Walker Shattuck, C.E., LL.D., *Professor*
Edgar Jerome Townsend, Ph. D., *Professor*
George Abram Miller, Ph. D., *Professor*
Henry Lewis Rietz, Ph. D., *Associate Professor*
Charles Hirschel Sisam, Ph. D., *Assistant Professor*
James Byrnie Shaw, D. Sc., *Assistant Professor*
Arnold Emch, Ph. D., *Assistant Professor*
Arthur Robert Crathorne, Ph. D., *Associate*
Robert Lacy Börger, Ph. D., *Associate*
Ernest Barnes Lytle, Ph. D., *Associate*
Gustave Eric Wahlin, Ph. D., *Instructor*
Ellis Bagley Stouffer, Ph. D., *Instructor*
Raymond Kurtz Morley, Ph. D., *Instructor*
George Francis McEwen, Ph. D., *Instructor*
Aubrey John Kempner, Ph. D., *Instructor*
George Ernest Carscallen, A. M., *Assistant*
Charles Anthony Barnhart, A. M., *Assistant*
Ward Hastings Taylor, A. B., *Assistant*
Sidney Archie Rowland, Jr., A. B., *Assistant*
Arthur Kiernan, Ph. B., *Assistant*
George Rutledge, A. B., *Research Assistant*

The courses offered by the department are arranged to meet the needs of three classes of students: (1) those who wish to elect the subject as an element in a general education; (2) those who will have occasion to make use of mathematics in cognate subjects, and (3) those who wish to specialize in mathematics. Those who select mathematics as a major subject should take mathematics 2, 4, and 6 in the freshman year; mathematics 7, 9, and 18a in the sophomore year, and mathematics 10, 16, 17a, and 19a in the junior year. In the senior year the selection may be made from the courses open to graduates and undergraduates as seems desirable. Students specializing in mathematics are advised to take work also in some line of applied mathematics.

The mathematical library, consisting of about 2,500 volumes, is adequate for advanced work and research. The leading mathematical journals are received currently. The department also has in its possession a collection of models and computing machines, which are valuable in instruction and research.

INTRODUCTORY COURSES FOR UNDERGRADUATES

2. COLLEGE ALGEBRA.—*I;* (3). (Three sections repeat the work in the second semester.)

Professor MILLER, Associate Professor RIETZ, Assistant Professor SISAM, Assistant Professor SHAW, Assistant Professor EMCH, Dr. CRATHORNE, Dr. BÖRGER, Dr. REED, Dr. LYTTLE, Dr. WAHLIN, Dr. STOUFFER, Dr. MORLEY, Dr. MCEWEN, Dr. KEMPNER, Mr. CARSCALLEN, Mr. BARNHART, Mr. TAYLOR, Mr. ROWLAND, Mr. KIERNAN

Prerequisite: Algebra through quadratics.

3a. SPHERICAL TRIGONOMETRY.—*II;* (2). Dr. CRATHORNE

Prerequisite: Solid and Spherical Geometry.

4. PLANE TRIGONOMETRY.—*I;* (2). Three sections repeat the work in the second semester.)

Professor MILLER, Associate Professor RIETZ, Assistant Professor SISAM, Assistant Professor SHAW, Assistant Professor EMCH Dr. CRATHORNE, Dr. BÖRGER, Dr. LYTLE, Dr. REED, Dr. WAHLIN, Dr. STOUFFER, Dr. MORLEY, Dr. MCEWEN, Dr. KEMPNER, Mr. CARSCALLEN, Mr. BARNHART, Mr. TAYLOR, Mr. ROWLAND, Mr. KIERNAN.

5. TEACHERS' COURSE.—Secondary algebra and geometry; their educational values; position in course; methods of teaching; correlation; comparison of American methods with those of foreign countries; order of topics; most important topics; text-books; literature. Lectures; discussions; reports. *II;* (2). Dr. LYTLE

Prerequisite: Junior standing.

6. ANALYTIC GEOMETRY.—Plane and solid analytic geometry. *II;* (5).

Professor MILLER, Associate Professor RIETZ, Assistant Professor SISAM, Assistant Professor SHAW, Assistant Professor EMCH, Dr. CRATHORNE, Dr. BÖRGER, Dr. LYTLE, Dr. REED, Dr. WAHLIN, Dr. STOUFFER, Dr. MORLEY, Dr. MCEWEN, Dr. KEMPNER, Mr. CARSCALLEN, Mr. BARNHART, Mr. TAYLOR, Mr. ROWLAND, Mr. KIERNAN.

Prerequisite: Mathematics 2, 4.

7, 9. DIFFERENTIAL AND INTEGRAL CALCULUS.—The principles of the differential and integral calculus developed and applied to functions of one and of several variables. (Section A is an honor section and may be selected by those specializing in mathematics or having an average grade of 90 in freshman mathematics.) *I;* (5); *II;* (3).

Associate Professor RIETZ, Assistant Professor SISAM, Assistant Professor SHAW, Assistant Professor EMCH, Dr. CRATHORNE, Dr. BÖRGER, Dr. LYTLE, Dr. WAHLIN, Dr. STOUFFER, Dr. MORLEY, Dr. KEMPNER. Mr. CARSCALLEN.

Prerequisite: Mathematics 6.

9a. DIFFERENTIAL AND INTEGRAL CALCULUS.—(Second Course.) The definite (single and multiple) integral with exercises in the formulation of problems arising in applied mathematics; line, surface, and volume integrals; the theorems of Stokes and Green; partial differentiation; exact differentials with applications of the conditions for exactness; elements of differential questions; approximate quadature and integration of differential equations. *I or II;* (2).

Dr. CRATHORNE, Dr. LYTLE, Dr. BÖRGER

Prerequisite: Mathematics 7, 9.

8a. DIFFERENTIAL AND INTEGRAL CALCULUS.—(For students in chemistry and chemical engineering.) *I;* (5).

Professor MILLER, Mr. BARNHART

Prerequisite: Mathematics 6.

18a. CONSTRUCTIVE GEOMETRY.—Development and training of space perception; properties of lines, planes, and the simpler surfaces of the second order studied by various methods of parallel and central projection; graphical interpretation of the processes of analytic geometry; analytic discussion of the methods of descriptive geometry. *II;* (3). Assistant Professor SISAM

Prerequisite: Mathematics 6.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

10. THEORY OF EQUATIONS AND DETERMINANTS.—Some of the fundamental properties of an algebraic equation in one unknown; the solutions of systems of simultaneous equations; theory of a system of linear equations; some fundamental properties of determinants. *II;* (3). Professor MILLER

Prerequisite: Mathematics 6.

11. SYNOPTIC COURSE IN MATHEMATICS.—*I, II;* (2).
Prerequisite: Mathematics 2, 4, and 6.
[Not given in 1911-12.]

16. DIFFERENTIAL EQUATIONS.—General linear equations with constant coefficients; special forms of differential equations of higher order; integration in series. *I;* (3). Dr. WAHLIN
Prerequisite: Mathematics 8a or 9.

17a. ADVANCED CALCULUS.—Fundamental notions and theorems of the calculus from a more advanced and critical point of view; elliptic integrals; functions defined by definite integrals. *II;* (3). Dr. LYTLE
Prerequisite: Mathematics 7, 9.

19a. SOLID ANALYTIC GEOMETRY.—Equations of the plane and the right line in space; the more general properties of surfaces of the second degree; the classification and special properties of quadrics; a brief introduction to the theory of surfaces in general. *II;* (3). Assistant Professor SISAM
Prerequisite: Mathematics 8a (or 7), 10.

20. CALCULUS OF VARIATIONS.—Those elements of the science that are most needed in the study of the higher subjects of mathematical astronomy and physics. *II;* (3). Professor SHATTUCK
Prerequisite: Mathematics 16.

21a. METHOD OF LEAST SQUARES.—Law of probability and error; adjustment of observation; precision of observations; independent and conditional observations. *I;* (2). Assistant Professor STEBBINS
Prerequisite: Mathematics 8a or 7.

22a. PARTIAL DIFFERENTIAL EQUATIONS.—Integration and determination of the integration constants of such partial differential equations as arise in the study of such subjects as the flow of heat, the vibration of strings, plates, and electricity. *II;* (2). Dr. WAHLIN
Prerequisite: Mathematics 16.

23a. AVERAGES AND THE MATHEMATICS OF INVESTMENT.—Meaning, use, and abuse of different kinds of averages; relation of the theory of probability to averages; application of the elements of probability to annuities, insurance, and various branches of science; loans and investments; practical problems in the evaluation of investment securities. *II;* (3). Associate Professor RIETZ, Mr. BARNHART
Prerequisite: Mathematics 2; junior standing.

24a. Functions of a Complex Variable.—*I, II;* (3).
Professor Townsend

Prerequisite: Mathematics 7, 9, 16.

27. Projective Geometry.—Fundamental concepts; anharmonic ratio; projective pencils and ranges; projective transformations and groups; theory of conics and quadric surfaces; pencils and ranges of conics; quadratic transformations and projective theory of cubics; applications in mechanics. *I, II;* (3).
Assistant Professor Emch

Prerequisite: Senior standing in mathematics.

30. Seminar and Thesis.—*I, II;* (3).
Professor Townsend, Professor Miller, Associate Professor Rietz, Assistant Professor Sisam, Assistant Professor Shaw, Assistant Professor Emch

31. Actuarial Theory.—Application of probability to life contingencies; mortality tables; fire insurance; premiums for various types of insurance. *I;* (3). Associate Professor Rietz

Prerequisite: Mathematics 8a, 23a.

COURSES FOR GRADUATES

101. Functions of Real Variables.—The theory of functions of real variables; the theory of assemblages. *Three times a week; I, II.* Dr. Crathorne

Prerequisite: Mathematics 16.

102. Fourier Series.—*Three times a week; I, II.*
Assistant Professor Shaw

Prerequisite: Mathematics 16 or 17a.

[Not given 1911-12; given 1912-13.]

103. Theory of the Potential.—Newtonian, logarithmic, and other potential functions; spherical harmonics; Green's theorem and functions; existence and boundary theorems; functions defined by other related partial differential equations of physics; applications to Electrodynamics. (For students of pure mathematics and of the physical sciences.) *Three times a week; I, II.*
Assistant Professor Shaw

Prerequisite: Mathematics 16 or 17a.

110. Elliptic Functions.—Elliptic functions applied to geometry and mechanics; the elliptic modular functions. *Three times a week; I, II.* Assistant Professor Emch

Prerequisite: Mathematics 24a.

111. Automorphic Functions.—First semester: The group-

theoretic side of the theory. Second semester: Function-theoretic developments and applications. *Three times a week; I, II.*

Prerequisite: Mathematics 24a and preferably 27 and 110.

112. Abelian Functions.—Algebraic functions of a complex variable and their integrals; Rieman's surfaces; birational transformations; Abel's theorem with geometrical applications; the inversion problem and the theta functions. *Three times a week; I, II.*

Prerequisite: Mathematics 24a, 110.

113. Theory of Linear Differential Equations.—*Three times a week; I, II.* Dr. Crathorne

Prerequisite: Mathematics 24a.

[Not given in 1911-12.]

120. Elementary Theory of Groups.—Groups in arithmetic, geometry, and trigonometry; those which can be represented with a small number of letters; the abstract group theory; the Galois theory of equations. *Three times a week; I, II.* Professor Miller

121. Theory of Groups—*Three times a week; I, II.* Professor Miller

Prerequisite: Mathematics 120.

[Not given in 1911-12; given in 1912-13.]

124. Theory of Numbers.—Congruences; Kronecker's modular systems; quadratic residues; quadratic forms; algebraic numbers. *Three times a week; I, II.* Professor Miller

129. Theory of Statistics.—General methods of statistical investigation; application of the theory of probability to statistical data; fitting curves to observation; interpolation; theory of errors; mathematical theory of variability and correlation; application of principles developed to problems in economics, sociology, and biology. *Three times a week; I, II.* Associate Professor Rietz

Prerequisite: Mathematics 8a.

130. Invariants and Higher Plane Curves.—General theory of algebraic curves; application of the theory of invariants to higher plane curves; curves of the third and fourth order. *Three times a week; I, II.* Dr. Börger

Prerequisite: Mathematics 16 and 27.

131. Algebraic Surfaces.—Application of homogeneous coordinates and the theory of invariants to geometry of three dimensions; general theory of surfaces; special properties of surfaces of the third and fourth order. *Three times a week; I, II.* Assistant Professor Sisam

Prerequisite: Mathematics 19a and 130.

135. Metric Differential Geometry.—Applications of the calculus to the general theory of curves and surfaces based primarily on the use of Cartesian co-ordinates; relation of the theory of surfaces to the theory of invariants of a pair of quadratic differential forms. *Three times a week; I, II.*

Prerequisite: Mathematics 16.

140. The Fundamental Concepts of Mathematics.—The general concepts of higher mathematics in their bearing on elementary mathematics. *Three times a week; I.* Dr. Lytle

Prerequisite: Senior standing in mathematics.

141. Vector Methods.—*Three times a week; I, II.*
Assistant Professor Shaw

Prerequisite: Mathematics 16 or 17a.

[Not given 1911-12; given 1913-14.]

~~Seminar.—Multiple Algebra.~~

MECHANICAL ENGINEERING

Charles Russ Richards, M.M.E., *Professor*
George Alfred Goodenough, M.E., *Professor, Thermodynamics*
Oscar Adolph Leutwiler, M.E., *Assistant Professor, Machine Design*
John McBeath Snodgrass, B.S., *Assistant Professor, Steam Engineering*
David Leonard Scroggin, *Instructor, Machine Shop*
Edgar Thomas Lanham, *Instructor, Forge Shop*
Frederick Ellis, *Instructor, Wood Shop*
Harry Frederick Godeke, B.S., *Instructor*
William Van Dunkin, M.E., *Instructor, Machine Design*
Paul Wright Gawne, B.S., *Instructor, Wood Shop and Foundry*
Robert Edwin Kennedy, *Instructor, Foundry*
Alonzo Plumsted Kratz, M.S., *Instructor*
Perry John Freeman, B.S., *Instructor, Machine Construction*
John Adlum Dent, M.E., *Instructor*
Archie Stanton Buyers, B.S., *Instructor*
James Merion Duncan, *Assistant, Wood Shop*
Peter Joseph Rebman, *Assistant, Forge Shop*
Gustav H. Radebaugh, *Assistant, Machine Shop*
John Nicholas Vedder, A.M., *Assistant*

3. Power Measurement.—The apparatus used in engine and boiler tests—scales, thermometers, indicators, brakes and dynamometers, gauges, calorimeters; methods of calibrating and using such

apparatus; tests for horse-power of steam engines, pumps, and gas engines. Reports. *I;* (2).

Assistant Professor Snodgrass, Mr. Godeke, Mr. Vedder

Prerequisite: Mechanical Engineering 16, Mathematics 9.

4. Elements of Machine Design.—Design of machine elements: Bolts, keys, journals, bearings, couplings; forms of gear teeth; spur and bevel gears. *I;* (2). Mr. Buyers

Prerequisite: General Engineering Drawing 1, 2.

5. Mechanism (Kinematics of Machinery).—Typical mechanisms and mechanical movements; kinematic principles involved in laying out such mechanisms; the methods of Reuleaux; parallel motions; quick return motions; valve gears; epicyclic trains. *I;* (3).

Mr. Dunkin, Mr. Dent

Prerequisite: Physics 1, 3; Theoretical and Applied Mechanics 7.

6. Heat Engines.—The steam engine; steam turbine; gas engine; air compressor; refrigerating machine. Mixtures of gases; combustion of gaseous fuels. (A continuation of course 7.) *I, II;* (2). Professor Richards, Professor Goodenough

Prerequisite: Mechanical Engineering 7.

7. Thermodynamics.—The transformation of heat into work; the second law and its connection with irreversible processes; the properties of heat media, the perfect gases, saturated and superheated vapors; the flow of fluids. *II;* (3).

Professor Goodenough, Mr. Dent

Prerequisite: Mathematics 9a; Theoretical and Applied Mechanics 8.

8. Mechanics of Machinery.—Friction in machine parts; useful application of friction as in friction clutches and brakes; transmission of power by ropes and belting; brakes, clutches, and dynamometers; hoisting machinery; hoisting in mines; elevators and cranes; hydraulic machinery: accumulators, and centrifugal pumps; fans, blowers, air compressors, air motors and transmission of power by means of air. *I;* (3). Assistant Professor Leutwiler

Prerequisite: Theoretical and Applied Mechanics, 9, 11; Mechanical Engineering 5, 7.

9. Machine Design.—Theory of machine design, with applications; investigation of actual machine similar to the one to be designed; design of machinery subjected to heavy and variable stresses: Punches, shears, presses, riveters, and cranes. *I, II;* (3).

Assistant Professor Leutwiler, Mr. Dunkin

Prerequisite: Theoretical and Applied Mechanics 8, 9; Mechanical Engineering 4, 5.

11. Steam Engines and Boilers.—The construction, operation and care of boilers and engines; elementary thermodynamics; the indicator and indicator diagrams; steam engine performance. (For students in civil, architectural, and municipal engineering.) *II;* (3).
Mr. Dent, Mr. Buyers, Mr. Godeke

Prerequisite: Physics 1.

12. Mechanical Engineering Laboratory.—Experiments on engines, turbines, gas engines, pumps, boilers, injectors, air compressors, hoisting appliances, heating apparatus, and the refrigerating machines. Tests of power plants in the vicinity. *I;* (3).
Assistant Professor Snodgrass, Mr. Godeke, Mr. Kratz

Prerequisite: Mechanical Engineering 3, 7.

13. Mechanical Engineering Laboratory.—The testing and calibration of instruments and apparatus; use of the indicator; calculation of horse-power and steam consumption; reading of indicator diagrams; valve setting. (For students in electrical engineering.) *II;* (3).
Assistant Professor Snodgrass, Mr. Dent, Mr. Buyers, Mr. Godeke, Mr. Kratz

14. Design of Power Plants.—Design, with estimates and specifications, of some form of power plant. *II;* (3).
Assistant Professor Leutwiler, Mr. Dunkin

Prerequisite: Mechanical Engineering 12.

15. Thermodynamics and Heat Engines.—A synopsis of courses 6 and 7, for students in electrical engineering. *I, II;* (3).
Professor Goodenough, Mr. Dent, Mr. Vedder, Mr. Buyers

Prerequisite: Mechanical Engineering 11 or 16 or 23.

16. Steam Engineering.—Engines, boilers, pumps, condensers, and other steam machinery. *II;* (3). Mr. Kratz, Mr. Buyers

Prerequisite: Physics 1, 3.

19. Seminar.—Papers on subjects relating to current engineering practice; the indexing of current engineering literature. Each student subscribes for a technical journal. Open to seniors only. *I, II;* (1). Professor Richards

23. Steam Engineering.—A synopsis of courses 11 and 16, for students in electrical engineering. *I;* (2).
Mr. Dent, Mr. Vedder, Mr. Buyers

24. Machine Design and Mechanism.—The design of simple machine elements: keys, couplings, gears; the principles of mechanism. (For students in electrical engineering.) *I;* (3).
Mr. Kratz

Prerequisite: General Engineering Drawing 1, 2

27. ADVANCED LABORATORY PRACTICE.—Special research work in the mechanical engineering laboratory. Open to seniors only. *Time and credits will be arranged by consultation.*

Assistant Professor SNODGRASS

Prerequisite: Mechanical Engineering 12.

29. SEMINAR FOR JUNIORS.—Technical publications; the presentation of abstracts of important articles on engineering topics. Methods of classification; filing systems for clippings, catalogs, and drawings. *II;* (1). Professor RICHARDS

Prerequisite: Rhetoric 1.

30. MACHINERY AND MANUFACTURING.—Construction, operation and erection of "form changing machines." Machinery that transforms raw material into a finished product. Manufacturers vs. building; hand labor vs. automatic machinery; the American system of interchangeable machine parts. *II;* (2).

Assistant Professor SNODGRASS

31. GENERATION AND TRANSMISSION OF POWER.—Elementary principles of generation and transmission of power. Applications of power for purposes of agriculture, manufacturing, mining, and transportation on land and water. *II;* (2). Professor RICHARDS

32. MECHANICAL ENGINEERING LABORATORY.—Heating and ventilation. Calibration of instruments, tests of various heating systems, experiments on fans and blowers. *I;* (1).

Assistant Professor SNODGRASS, Mr. VEDDER

33. THESIS.—Investigation of special subject and preparation of thesis embodying a review of the literature of the subject, the results of investigation, and a discussion of those results. Weekly reports during the second semester. (Required of seniors.) *II;* (3).

Professor RICHARDS, Professor GOODENOUGH, Assistant Professors LEUTWILER and SNODGRASS, Mr. FREEMAN

35. MINE MACHINERY.—Air compressors, pumps, gas engines, and other machinery used in mining. (For students in mining engineering.) *I;* (2). Mr. DENT

41. SHOP PRACTICE.—

Pattern Work (18 weeks).—Exercises in elementary wood work; wood turning; pattern making. Blue prints and practice in reading drawings.

Forge Work (9 weeks).—Methods of handling iron and steel in the forge fire; forging, welding, and the working of iron and steel under the power hammer; heat treatment of steel, including the handling of the modern high speed steels.

Foundry Work (9 weeks).—Molding and core work; melting and casting iron and brass; molding machines and other labor-saving devices; the mixing of iron; the operation of the cupola; the mixing and melting of brass and other soft metals. *I, II;* (3).

Mr. FREEMAN, Mr. ELLIS, Mr. LANHAM, Mr. GAWNE, Mr. KENNEDY, Mr. DUNCAN, Mr. REBMAN.

42. MACHINE SHOP PRACTICE.—Elementary exercises in chipping, filing; practice on the drill, lathe, planer, and other standard machine tools; methods of manufacture; cost-keeping systems; visits of inspection. *I;* (3), *II;* (2).

Mr. FREEMAN, Mr. SCROGGIN, Mr. RADEBAUGH

46. ADVANCED SHOP PRACTICE.—The construction of commercial machinery, of apparatus or machines originally designed by the student, or a study of modern shop processes, especially those relating to the production of interchangeable parts by means of jigs and templates. Elective for juniors or seniors. *I* or *II. Time and credits will be arranged.* Mr. FREEMAN, Mr. SCROGGIN

Prerequisite: Mechanical Engineering 41, 42.

47. SHOP PRACTICE FOR SPECIAL STUDENTS.—Open only to special students. No credit. Mr. SCROGGIN

48. FORGE SHOP PRACTICE.—Forging for the practical farmer. For students in agriculture. *Six hours a week, either half of I or II;* (2). Mr. LANHAM, Mr. REBMAN

49. WOOD SHOP PRACTICE.—For students in agriculture. *Nine hours a week, to be arranged. I* or *II;* (3). Mr. ELLIS

COURSES FOR GRADUATES

Entrance upon graduate work in mechanical engineering presupposes the full undergraduate course in that subject.

106. HEAT MOTORS.—The advanced theory of the internal combustion motor, and of the steam turbine. The general principles and methods of refrigeration. *Twice a week; II.*

Professor GOODENOUGH

107. THERMODYNAMICS.—The general principles of thermodynamics and their application to the solution of physical and engineering problems. *Twice a week; I.*

Professor GOODENOUGH

Prerequisite: Mechanical Engineering 7 or an equivalent.

109. MACHINE DESIGN.—The general principles of rational design; the application of mechanics of materials. Individual problems. *Twice a week; I* or *II.* Assistant Professor LEUTWILER

112. LABORATORY INVESTIGATIONS.—Special investigations of problems relating to combustion of fuel; boiler economy; steam engines

and turbines; gas engines and producers; properties of explosive mixtures; mechanical refrigeration. Original work. *Three times a week; I* or *II.* Assistant Professor SNODGRASS

114. DYNAMICS OF MACHINERY.—Advanced problems. Balancing; whirling and vibration of shafts; theory of governors; fly wheels; force and mass reduction; stresses in rotating masses. *Twice a week; I, II.* Professor GOODENOUGH

MECHANICS, THEORETICAL AND APPLIED

ARTHUR NEWELL TALBOT, C.E., *Professor, Municipal and Sanitary Engineering; in charge of Theoretical and Applied Mechanics*
HERBERT FISHER MOORE, M.M.E., *Assistant Professor*
MELVIN LORENIUS ENGER, C.E., *Assistant Professor*
VIRGIL R FLEMING, B.S., *Associate, Applied Mechanics*
HARVEY ELLISON MURDOCK, M.E., C.E., *Instructor*
CLARENCE EUGENE NOERENBERG, A.B., A.E., *Instructor*
FRED B SEELY, B.S., *Instructor*
GEORGE PAUL BOOMSLITER, B.S., *Instructor*
HARRISON FREDERICK GONNERMAN, B.S., *Instructor*
NEWTON EDWARD ENSIGN, A.B., B.S., *Instructor*
STANLEY PRINCE FARWELL, M.S., *Instructor*

5. STRENGTH OF MATERIALS.—A simplification of Theoretical and Applied Mechanics 9. (For students in architecture.) Murdock's *Strength of Materials. I; Laboratory weekly;* (4).
Mr. MURDOCK, Mr. NOERENBERG, Mr. GONNERMAN

Prerequisite: Mathematics 2 and 4; Theoretical and Applied Mechanics 12.

6. ENGINEERING MATERIALS.—The properties and requirements for materials used in engineering construction, the effect of methods of manufacture upon the quality of the material, and the specifications and standard tests used to secure acceptable grades of material. Lectures and assigned reading. *I;* (1).
Professor TALBOT, Assistant Professor MOORE

Prerequisite: Registration in Theoretical and Applied Mechanics 9.

7, 8. ANALYTICAL MECHANICS.—The mechanics of engineering rather than that of astronomy and physics. The fundamental concepts and the general principles of equilibrium and motion; the application of principles and methods to engineering problems. The statement of conditions and the use of data. (The work begins in the second semester; in the first semester of the following year it is given concurrently with Theoretical and Applied Mechanics 9.) Maurer's *Technical Mechanics. II;* (3); *I;* (2½).

Assistant Professor Enger, Mr. Murdock, Mr. Fleming, Mr. Noerenberg, Mr. Boomsliter, Mr. Seely, Mr. Ensign, Mr. Farwell

Prerequisite: For 7, Mathematics 7, registration in Mathematics 9; for 8, Mathematics 9; Theoretical and Applied Mechanics 7.

9. Resistance of Materials.—The principles of the mechanics of materials; experiments and investigations in the materials laboratory to verify the experimental laws; problems in ordinary engineering practice; the quality and requirements for structural materials. Merriman's *Mechanics of Materials. Laboratory weekly. I;* (3½).

Assistant Professor Enger, Mr. Murdock, Mr. Fleming, Mr. Noerenberg, Mr. Boomsliter, Mr. Seely, Mr. Ensign, Mr. Gonnerman, Mr. Farwell

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 7; registration in Theoretical and Applied Mechanics 8.

10. Hydraulics.—The laws of the pressure and the flow of water and its utilization as motive power; experimental work in the observation and measurement of pressure, velocity, and flow; in power and efficiency; in the determination of experimental coefficients. Hoskins' *Hydraulics. Laboratory weekly. II;* (3).

Mr. Murdock, Mr. Fleming, Mr. Boomsliter, Mr. Ensign, Mr. Farwell, Mr. Gonnerman

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 8.

11. Analytical Mechanics.—Advanced kinetics; problems and applications. An extension of Theoretical and Applied Mechanics 7 and 8, for mechanical engineers. *II;* (3).

Assistant Professor Enger, Mr. Seely

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 8.

12. Elements of Mechanics.—A simplification of Theoretical and Applied Mechanics 7 and 8, for students in architecture. Morley's *Mechanics for Engineers. II;* (5).

Mr. Murdock, Mr. Noerenberg

Prerequisite: Mathematics 2, 4

14. Elements of Mechanics.—The principles of kinematics, kinetics, and statics and their application. (For architects and others

who have not taken the calculus.) Morley's *Mechanics for Engineers. II;* (4). Mr. MURDOCK, Mr. NOERENBERG

Prerequisite: Mathematics 2, 4.

15, 16. STRENGTH OF MATERIALS.—Graphical methods of determining the elastic curve of beams; centroids and moments of inertia of areas; reinforced concrete beams and columns; properties and tests of engineering materials. (For students in architecture and others without the prerequisites required for Theoretical and Applied Mechanics 9. To be given first in 1912-13.) Murdock's *Strength of Materials. Laboratory weekly in first semester. I, II;* (3). Mr. MURDOCK, Mr. NOERENBERG, Mr. GONNERMAN

Prerequisite: Theoretical and Applied Mechanics 14.

COURSES FOR GRADUATES

Entrance upon graduate work in theoretical and applied mechanics presupposes a full undergraduate course in that subject.

101. ANALYTICAL MECHANICS.—The foundations of mechanics and its various relations; methods of treatment and attack; the more complex problems and applications; a critical and comparative study of texts. *I. Twice a week.* Assistant Professor MOORE

102. RESISTANCE OF MATERIALS.—The properties of materials used in engineering construction and the methods of determining these properties; analysis and investigation in mechanics of materials; the effect of form of member in a structure or machine; the method of application of forces; comparative study of texts. *II. Twice a week.* Assistant Professor MOORE

103. HYDRAULICS AND HYDRAULIC ENGINEERING.—The laws of hydraulics and their application to engineering problems; hydraulic power and its development; design and investigation. *II. Twice a week.* Professor TALBOT

104. EXPERIMENTAL WORK IN THE LABORATORY OF APPLIED MECHANICS.—Investigation in the materials testing laboratory on materials and on their action as used in machines and structures; experiments in the hydraulic laboratory with pumps, motors, and measuring devices, and the investigation of the laws of hydraulics, the development of power, and the study of various hydraulic problems. *I, II.* Professor TALBOT, Assistant Professor MOORE

105. EXPERIMENTAL AND ANALYTICAL WORK IN REINFORCED CONCRETE.—The interpretation of available experimental results and their application to the design of structures. The principles of construction and a study of typical reinforced concrete structures. *Twice a week. I, II.* Professor TALBOT

METEOROLOGY

(See under Geology.)

MILITARY SCIENCE

Benjamin Clarke Morse, Major of Infantry, U. S. Army, *Professor and Commandant*
Paul Kircher, *Assistant*
Homer Boys Hull, *Assistant*
Lester Herbert Graves, *Assistant*
Victor Robert Sladek, *Assistant*

* 1. Theoretical Instruction.—Infantry Drill Regulations. For all male students. *II;* (1).
Mr. Kircher, Mr. Hull, Mr. Graves, Mr. Sladek

* 2. Practical Instruction.—*Infantry.*—School of the Soldier; company and battalion; regimental ceremonies. *Artillery.*—School of the cannoneer and battery dismounted. Freshman and sophomore years. *I, II;* (1). Professor Morse

3. Theoretical Instruction.—For sophomores: Drill Regulations and military administration. *I, II;* (1). For juniors: Field Service Regulations. *I, II;* (1). For seniors: Field Engineering. *I, II;* (1). This course is obligatory upon commissioned officers and sergeants, recommended to corporals, and open to others.
Professor Morse

Authorized Text-Books.—*United States Drill Regulations; United States Army Regulations; Field Service Regulations, United States Army; Guard Manual; Small Arms Firing Regulations.*

MINERALOGY

(See Geology 5, 5a, 6, 7, 7a.)

MINING ENGINEERING

Harry Harkness Stoek, B.S., E.M., *Professor*
Francis Church Lincoln, S.B., A.M., Ph. D., *Associate*

1. Elementary Mining Principles.—The general processes of mining engineering; terminology. Lectures; trips of inspection. *I;* (1). Professor Stoek

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* Freshmen and sophomores are required to drill one and one-half hours each week until March 15; after that date, three hours each week. Freshmen attend recitations one hour a week in the second semester. Assignments to classes and companies are made by the Commandant of Cadets according to circumstances.

2. EARTH AND ROCK EXCAVATION.—Explosives; blasting; drilling; boring; tunneling; shaft sinking; coal cutting. *II;* (3).
Professor STOEK

Prerequisite: Chemistry 1a or 1b.

3. MINING METHODS.—Mining and timbering bedded, vein, and placer deposits. *I;* (2). Professor STOEK

Prerequisite: Mining Engineering 2.

4. MINE SURVEYING.—The application of general surveying methods to mine work; the description and use of instruments employed underground and in connecting surface and underground surveys; the platting and use of mine maps; mineral land surveying; the theory and use of solar attachments; determination of the meridian; theory and use of stadia; application of topographic and railroad surveying to mining conditions; estimation and prospecting of mineral deposits. *II;* (4). Dr. LINCOLN

Prerequisite: Civil Engineering 21.

5. MINE VENTILATION.—Mine gases; safety lamps; explosions in mines; rescue work; first aid; mine ventilation; mine lighting. *II;* (3). Professor STOEK

Prerequisite: Chemistry 1a or 1b.

6. MECHANICAL ENGINEERING OF MINES.—Hoisting: ropes, cages, hoisting engines, and other appliances. Haulage: the different systems used underground and on the surface; the methods of loading and unloading; mine stables; transportation of workmen. Signaling. Drainage of mines: mine dams, mine pumps. Tipple arrangements; rock houses; ore bins. General surface plant. Design and drafting of mining plant. *I;* (3). Mr. STEVENSON

Prerequisite: Mechanical Engineering 16, or 11, or 23.

7. MINE ADMINISTRATION, ORGANIZATION, AND MINING LAW.—Mining companies. Trade agreements—relations between employers and employees. Transportation and marketing. The general mining laws of the several states, with particular attention to those of Illinois. *II;* (2). Professor STOEK

8. MINE PLANT.—Location; design; estimates for construction. *II;* (2).

9. PREPARATION OF COAL AND ORES.—The handling and utilization of coal: crushing, screening, washing, coking, briqueting, sampling, weathering. Ore dressing; milling. *I;* (2). Dr. LINCOLN

10. MINING LABORATORY.—Experiments with safety lamps, anemometers, water gages, mine fans, coal washing, and ore dressing machinery. *II;* (3). Professor STOEK, Dr. LINCOLN

Prerequisite: Mining Engineering 5.

11. Thesis.—Individual investigation of a special mining subject; preparation of thesis giving review of the literature on the subject, the results of experimental work, and a general discussion of the subject. *II;* (3).

COURSES FOR GRADUATES

Entrance upon graduate work in mining engineering presupposes a full undergraduate course in that subject.

101. Economics of Coal Mining.—The utilization, handling, marketing, storage, and transportation of coal.

102. The Coal Fields of the United States.—The different coal fields and the methods of working in each.

103. Accidents in Mining.—The causes of accidents in mining in the United States and foreign countries.

MODERN LANGUAGES

(See English Language and Literature, Germanic Languages and Literature, and Romance Languages and Literature.)

MUNICIPAL AND SANITARY ENGINEERING

Arthur Newell Talbot, C.E., *Professor*

Melvin Lorenius Enger, B.S., C.E., *Assistant Professor, Theoretical and Applied Mechanics*

George Conrad Habermeyer, B.S., *Associate*

Virgil R Fleming, B.S., *Associate, Theoretical and Applied Mechanics*

Paul Hansen, B.S., *Associate*

2. Water Supply Engineering.—Source of supply; hydraulics of wells; stream flow; impounding and storage reservoirs; conduits and pipe lines; pumps and pumping machinery; stand-pipes and elevated tanks; the distribution system; tests and standards of purity of potable water. Designing weekly. Turneaure and Russell's *Public Water Supplies. I;* (4).

Assistant Professor Enger, Mr. Habermeyer, Mr. Fleming

Prerequisite: Theoretical and Applied Mechanics 9, 10; Chemistry 1; Mechanical Engineering 11.

3. Sewerage.—The design and methods of construction of sewerage systems: Sanitary necessity of sewerage; water carriage systems, both separate and combined; surveys and general plans; hydraulics of sewers; house sewage and its removal; relation of rainfall to storm water flow; determination of size and capacity of sewers; forms and strength of sewer appurtenances; modern meth-

ods of sewage disposal; estimates and specifications. Designing weekly. Folwell's *Sewerage. II;* (3).

Assistant Professor ENGER, Mr. HABERMEYER, Mr. FLEMING

Prerequisite: Theoretical and Applied Mechanics 9, 10; Chemistry 1; Municipal and Sanitary Engineering 2.

5a. BACTERIOLOGY.—The identification and classification of bacteria, and of allied organisms; their relations to health and to disease; methods of separation and cultivation; methods of air and water analysis. (For students in municipal and sanitary engineering.) *I; last 7 weeks;* (2). Professor BURRILL, Mr. BRISCOE

Prerequisite: To follow Civil Engineering 4a.

6a, b. WATER PURIFICATION, SEWAGE DISPOSAL, AND GENERAL SANITATION.—Impurities in water supplies and methods and processes of their removal; the modern methods of sewage disposal by filtration, chemical precipitation, irrigation; representative purification plants; garbage collection and disposal; sanitary restrictions and regulations and general sanitation. Lectures; seminar work; drafting. *I;* (3); *II;* (2). Professor TALBOT, Mr. HABERMEYER

Prerequisite: Municipal and Sanitary Engineering 2, 3, 5a; Chemistry 1, 3b, 10b.

7. WATER SUPPLY ENGINEERING.—Similar to Municipal and Sanitary Engineering 2, for students in sanitary science. Designing weekly. Turneaure and Russell's *Public Water Supplies. I;* (4).

Professor TALBOT, Mr. HABERMEYER

Prerequisite: Theoretical and Applied Mechanics 5, 12, 10; Chemistry 3a.

8. SEWERAGE.—Similar to Municipal and Sanitary Engineering 3, for students in sanitary science. Designing weekly. Folwell's *Sewerage. II;* (3). Professor TALBOT, Mr. HABERMEYER

9. HYDRAULIC DESIGN AND CONSTRUCTION.—The design and methods of construction of reservoirs, dams, conduits, and waterways; hydraulic engineering problems. *II;* (2).

Assistant Professor ENGER

30. THESIS.—Investigation or design of an engineering problem. Required of seniors. *II;* (2). Professor TALBOT, Mr. HABERMEYER

COURSES FOR GRADUATES

Entrance upon graduate work in municipal and sanitary engineering presupposes a full undergraduate course in that subject.

102. WATER SUPPLY ENGINEERING.—Sources and requirements of water supply; general water-works construction; pumps and pumping; design of reservoirs and elevated tanks; water-works

operation and the valuation of plants. *One to three times a week; I* or *II.* Professor Talbot

103. Sewerage.—General sewerage design and construction; sewerage systems; hydraulics of sewers; and a study of run-off. *Once or twice a week; II.* Professor Talbot

106. Water Purification, Sewage Disposal, and General Sanitation.—The design, construction, and operation of water purification plants and of sewage disposal works; the study of existing plants; comparison of results and cost of construction and operation; experimental work on water filters and septic tanks; garbage disposal; general sanitation. *Once a week; II.* Professor Talbot

MUSIC

Charles Henry Mills, D. Mus., F.R.C.O., *Director, Professor*

George Foss Schwartz, A.M., M. B., *Assistant Professor*

Constance Barlow-Smith, *Instructor, Sight-Singing, Ear Training, and in charge of Public School Methods*

Henri Jacobus Van den Berg, *Instructor, Piano*

Albert Austin Harding, *Instructor, Band Instruments, Director of the Band*

Lois Derwentwater McCobb, *Instructor, Voice*

Florence Mary Kirkup, *Instructor, Voice*

Edith E Bratton, *Instructor, Violin*

*Sophie Mary Voss, B. M., *Instructor, Piano*

McElroy Johnston, *Instructor, Voice*

Edward Royce, A.B., *Instructor, Piano*

1. History of Music.—The development of music; the rise of polyphony and dramatic music; the origin and progress of the oratorio; the evolution of instruments and instrumental forms; the lives of composers. Lectures; assigned collateral readings. *I, II;* (2). Assistant Professor Schwartz

2. Harmony. *I, II;* (2). Assistant Professor Schwartz

3. Advanced Harmony. *I, II;* (3). Assistant Professor Schwartz

4. Counterpoint, Canon, and Fugue. *I, II;* (3). Professor Mills

†5. General Theory, Free Composition. *I, II;* (2½). Professor Mills

For Preparatory Music, see School of Music Bulletin.

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*Resigned.

†Music 5, I, may be taken with Course 4, II, if desired.

PIANO

Professor MILLS, Mr. VAN DEN BERG, Mr. ROYCE, and Miss VOSS

7. *First Year.*—Development of technique: Czerny, *Op. 229, Bks. 3, 4;* Bach, *Two-part Inventions;* sonatas of Haydn and Mozart; easier sonatas of Beethoven; Mendelssohn, *Songs Without Words;* compositions (smaller works) of Schubert, Raff, Grieg, Chaminade, Moszkowski, and others (6).

8. *Second Year.*—Czerny, *Op. 740;* Pacher, *Octave Studies;* Bach, *Three-part Inventions,* selections from *French Suites;* sonatas and other compositions of Scarlatti, Beethoven, Schubert, Schumann, Mendelssohn, Weber, Raff, Rubinstein, Saint Saens, Godard, MacDowell, and others (6).

9. *Third Year.*—Selections: Clementi, *Gradus ad Parnassum;* Moscheles, *Op. 70;* Kullak, *Seven Octave Studies, Bk. 2;* Bach, *Well-Tempered Clavichord;* sonatas and concertos by Mendelssohn, Weber, Beethoven, Hummel; selections from works of Bach, Chopin, Schubert, Schumann, Brassin, Rubinstein, Liszt, Moszkowski, Scharwenka, and other modern composers. (8).

10. *Fourth Year.*—Selections: Octave Studies; Clementi, *Gradus,* continued; Bach, *Well-Tempered Clavichord,* continued; Chopin, Henselt, *Etudes,* etc.; sonatas by Beethoven and selections from works of modern composers of most advanced grade.

VOICE

Mr. JOHNSTON, Miss McCOBB, Miss KIRKUP

12. *First Year.*—Tone Production. Panofka: *Op. 85.* Concone: *Op. 10, Op. 17;* Spicker: *Masterpieces of Vocalization, Book I* or substitute. Selected songs from Schubert, Franz, Grieg, and modern composers.

13. *Second Year.*—Tone Production. Vaccai: *Practical Method;* Panofka: *Op. 81.* Spicker: *Book II;* Panseron: *Bordogni;* Songs from German, French, Italian, and modern composers.

14. *Third Year.*—Tone Production. Spicker: *Book III;* Lamperti; Lablache; simple arias from opera and oratorios; selected songs.

15. *Fourth Year.*—Tone Production. Spicker: Book IV. Ravini; Rubini; selected songs, opera, and oratorios.

NOTE.—The above list will be supplemented by excerpts from modern composers—especially the modern American school—during the entire course.

VIOLIN

Assistant Professor SCHWARTZ, Miss BRATTON

17. *First Year.*—Scales and Arpeggios through the seventh position; Kreutzer Studies; David Violin School (advanced) Mozart Sonatas, Nos. 5, 7, 8, 12, and 17; Concertos, Viotti, Kreutzer. *I, II;* (6).

18. *Second Year.*—Kreutzer Studies: Meerts' Mechanism of the Violin (advanced); Beethoven, Sonatas, Nos. 1, 5, 6. Concertos, Rode. Andante and rondo Capriccio David. *I, II;* (6).

19. *Third Year.*—Sevcik Studies; Fiorillo and Rode Studies (selected); Sonatas, Grieg Op. 8, Gade; Concertos; No. 2. Mozart A, E flat. *I, II;* (8).

20. *Fourth Year.*—Gavinies Studies; Dancla Studies Op. 73; Sonatas, Grieg Op. 43, Braems 78; Concertos, Mendelssohn, Bruch, etc. *I, II;* (9).

VIOLON-CELLO

Assistant Professor SCHWARTZ

17a. *First Year.*—Dotzanert, Selected Studies; Furino, Polonaise; Golterman, Nocturnes; Kengel, Concertino. Op. 7.

18a. *Second Year.*—Lee Studies: Op. 31, No. 1; Romberg, Op. 42, 46, 65; Golterman, Concerto in G.

19a. *Third Year.*—Lee Studies: Op. 31. No. 2; Golterman, Concerto in D; Klengel, Concertstuck in D.

NOTE.—Ensemble and orchestral work is required of all special students who are sufficiently advanced. As so much depends on the individual student, it is impossible to define a set course of studies, and the foregoing outline must be taken only as a general guide to the work a student is required to cover.

The above outline will be fully supplemented with studies and pieces, and especially with orchestra and ensemble work.

21. UNIVERSITY ORCHESTRA.—Two-hour rehearsal once a week. *I, II;* (1). Professor MILLS

22. UNIVERSITY CHORAL SOCIETY.—One-hour rehearsal once a week. *I, II;* (½). Professor MILLS

23. EAR TRAINING CLASSES.—For all School of Music students. *I, II;* (1). Mrs. CONSTANCE BARLOW-SMITH

24. SIGHT SINGING CLASSES.—For all School of Music students. *I, II;* (1). Mrs. CONSTANCE BARLOW-SMITH

25. PUBLIC SCHOOL METHODS.—Elements of theory, eye and ear training, the limitations of the child-voice, selection of material,

pedagogical presentations, appreciation work for the high school. (Offered primarily for students who desire to teach music successfully in the public schools.) Mrs. CONSTANCE BARLOW-SMITH

26. BAND INSTRUMENTS.—Band, orchestra, or solo work. Mr. A. A. HARDING

27. ENSEMBLE CLASS.—Trios, Quartets, and Quintets by classical and modern composers. (Open to all students who are sufficiently advanced to undertake the course profitably.)

PALEONTOLOGY

(See GEOLOGY 1a, 16, 18, 19, 20, 21.)

PHILOLOGY

(See THE CLASSICS, ENGLISH LANGUAGE AND LITERATURE, GERMANIC LANGUAGES AND LITERATURE, and ROMANCE LANGUAGES AND LITERATURE.)

PHILOSOPHY

(See also PSYCHOLOGY and EDUCATION.)

ARTHUR HILL DANIELS, Ph. D., *Professor*
BOYD HENRY BODE, Ph. D., *Professor*
DURANT DRAKE, Ph. D., *Instructor*

Honors

Candidates for honors in philosophy must offer:

1. In the major subject, 24 hours, 6 of which must be in psychology.

2. Minors in either: psychology (at least 6 hours in addition to the amount of psychology required for the major) and any one other subject listed below; or any two subjects from the same group—

(a) Economics; history, political science; education; sociology.
(b) English; French; German; Greek; Latin.
(c) Botany; chemistry; mathematics; physics; zoology.

No course in any subject of the above groups may be counted for the minor requirement if it is excluded from the major requirement of its respective department.

Students who make philosophy a major should take at least one year of psychology. With the exception of 1 and 10, no course in philosophy may be taken before the completion of two years of university work.

1. LOGIC.—The principles of reasoning; detection of fallacies; evidence. *I;* (3). Professor BODE, Dr. DRAKE

Prerequisite: One year of university work.

1b. LOGIC.—(The same as 1.) *II;* (3). Professor BODE, Dr. DRAKE

2. INTRODUCTION TO PHILOSOPHY.—The relation of philosophy to modern science; problems of philosophy; representative forms of philosophic theory. *II;* (3). Professor BODE

3. ANCIENT AND MEDIEVAL PHILOSOPHY.—The development of speculative thought; Greek philosophers; the medieval period. *I;* (3). Professor DANIELS

4. MODERN PHILOSOPHY.—Problems and conceptions in philosophy from Descartes to the present time. Selections from the masterpieces of this period. *II;* (3). Professor DANIELS

7. ETHICS.—The beginnings and growth of morality; leading conceptions of moral theory; typical social and economic problems of the present. *II;* (3). Professor DANIELS

Prerequisite: Three hours in philosophy.

8. ESTHETICS.—The appreciation of art and nature; place of such appreciation in life; primitive arts and appreciation; modifications of the esthetic (such as the sublime and the ugly); the fine arts. *I;* (3).

Prerequisite: An elementary course in philosophy or psychology.

9. POLITICAL AND SOCIAL ETHICS.—Moral principles applied to political and social relations. *I;* (2). Professor DANIELS

10. THE PHILOSOPHIC THOUGHT OF THE NINETEENTH CENTURY AS REFLECTED IN ENGLISH LITERATURE.—Wordsworth; Carlyle; Emerson; Tennyson; Browning; Arnold. *I;* (2). Professor BODE

11. HISTORY AND PHILOSOPHY OF RELIGION.—The philosophical interpretation of religious consciousness; various religious concepts: God; revelation; inspiration, dogma; faith; prayer; immortality; evil; morality and religion. *I, II;* (2). Professor DANIELS

Prerequisite: Senior or graduate standing; six hours in psychology, philosophy, or both.

15. THE BRITISH PHILOSOPHERS OF THE EIGHTEENTH CENTURY.—Locke, Berkeley, and Hume. *I;* (3). Professor BODE

Prerequisite: Philosophy 2 or 3 or 4.

16. KANT.—*The Critique of Pure Reason. II;* (2). Professor BODE

Prerequisite: Philosophy 15.

17. PHILOSOPHY OF NATURE.—The sources of the knowledge of nature; the fundamental import of physical science and its relations to psychology and metaphysics; the ultimate meaning of matter, consciousness, energy, forces, evolution, natural law; perspective view of the universe and its history, so far as present information can carry us, with speculative completions. *I, II;* (2).

Dr. DRAKE

Prerequisite: The approval of the instructor. The course is intended for advanced students in philosophy and also for advanced students in science, who desire some acquaintance with the philosophical interpretation of various scientific concepts.

COURSES FOR GRADUATES

Students entering upon graduate work in philosophy should have had at least one course in the history of the subject and one in psychology.

101. THE PHILOSOPHY OF PLATO AND ARISTOTLE.—*Twice a week; I, II.* Professor DANIELS

102. SEMINAR: CONTEMPORARY PHILOSOPHY.—Present day idealism, realism, and pragmatism. *Twice a week; I, II.*

Professor BODE

103. SEMINAR: ETHICAL THEORY.—*Once a week; I, II.*

Professor DANIELS

104.—THE PHILOSOPHY OF DESCARTES, SPINOZA AND LEIBNIZ.—*Twice a week; I.* Professor DANIELS

[Not given in 1911-12.]

105. THE PHILOSOPHY OF SCHOPENHAUER AND LOTZE.—*Twice a week; II.* Professor DANIELS

[Not given in 1911-12.]

PHYSICAL TRAINING

FOR MEN

GEORGE A. HUFF, *Director*
HARRY LOVERING GILL, *Assistant Director, Instructor, Track*
LEO GREGORY HANA, *Director, Men's Gymnasium*
GEORGE BYRON NORRIS, *Instructor, Swimming*
ROY NEWTON FARGO, B. S., *Assistant*

1. GYMNASIUM PRACTICE.—Two hours' gymnasium drill each week. (Required of freshmen.) *I, II;* (1); *arrange time.* Mr. HANA

1a. PERSONAL HYGIENE.—Six lectures. Required in conjunction with Physical Training 1. *I* Dean CLARK

2. GYMNASIUM PRACTICE.—Two hours each week in advanced heavy apparatus work. *I, II; arrange time* MR. HANA

FOR WOMEN

GERTRUDE EVELYN MOULTON, A. B., *Director*
MARY EDITH WILLIAMS, A. M., *Instructor*
VERNA BROOKS, A. B., *Assistant*
MARION CHARLOTTE LANDEE, *Assistant*

7. PRACTICE.—Class work and games. (Required of freshmen.) *I, II;* (1).
MISS MOULTON, MISS WILLIAMS, MISS BROOKS, MISS LANDEE

8. PRACTICE.—Continuation of 7. Second year, elective. *I, II;* (1). MISS WILLIAMS

9. HYGIENE.—(Required of all freshmen girls.) *I;* (1).
ACTING DEAN FAWCETT

10. TEACHERS' COURSE.—Third year. Practice in the public schools, two hours; theory, one hour. *I, II.*
MISS MOULTON, MISS BROOKS

11. TEACHERS' COURSE.—Fourth year. Practice teaching in the gymnasium, two hours; theory, one hour. *I, II.*
MISS WILLIAMS, MISS LANDEE

PHYSICS

ALBERT PRUDEN CARMAN, D. Sc., *Professor*
CHARLES TOBIAS KNIPP, Ph. D., *Assistant Professor*
* FLOYD ROWE WATSON, Ph. D., *Assistant Professor*
WILLIAM FREDERICK SCHULZ, E.E., Ph. D., *Assistant Professor*
JAKOB KUNZ, Ph. D., *Assistant Professor*
THOMAS SMITH TAYLOR, Ph. D., *Instructor*
ELMER HOWARD WILLIAMS, Ph. D., *Instructor*
JOHN WESLEY HORNBEAK, A. M., *Instructor*
JAY WALTER WOODROW, A. M., *Instructor*
GLENN ALFRED SHOOK, A. B., *Instructor*
ORRIN HAROLD SMITH, A. M., *Assistant*
LLOYD THEODORE JONES, A. M., *Assistant*
OSCAR ALAN RANDOLPH, B. S., *Assistant*
ELLWOOD SPENCER SMITH, U. S. N. A., *Assistant*

INTRODUCTORY COURSES FOR UNDERGRADUATES

1. GENERAL PHYSICS.—Lectures with class-room demonstrations; recitations; written exercises. (For sophomores in engineering,

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* On leave of absence.

mathematics, physics, and chemistry.) *I;* (3). *II;* (2).

Professor Carman, Assistant Professor Schulz, Mr. Hornbeak, Mr. Shook, Mr. Jones, Mr. Randolph, Mr. Smith

Prerequisite: Mathematics 3 or 4; registration in Physics 3.

3. Physical Measurements.—Laboratory experiments; quizzes in connection with Physics 1. *I, II;* (2).

Assistant Professor Schulz, Mr. Hornbeak, Mr. Shook, Mr. Jones, Mr. Randolph, Mr. Smith

Prerequisite: See Physics 1.

2a. General Physics.—Lectures, with class-room demonstrations; recitations. (For students in courses in arts and science.) *I, II;* (2½). Dr. Taylor, Mr. Woodrow

Prerequisite: Completion of or registration in Mathematics 3 or 4; registration in Physics 2b.

2b. Introductory Laboratory Physics.—Physical measurements. *I, II;* (2½). Dr. Taylor, Mr. Woodrow

Prerequisite: See Physics 2a.

15. Electricity and Magnetism.—Laboratory; lectures; assigned readings; reports. *I, II;* (2). Dr. Williams

Prerequisite: Physics 1, 3; or 2a, 2b.

16. Heat.—*I;* (2). Assistant Professor Watson

Prerequisite: Physics 1, 3; or 2a, 2b.

[Not given in 1911-12.]

17. Light.—Recitations; laboratory. Edser's *Light. II;* (2).

Assistant Professor Schulz

Prerequisite: Physics 1, 3; or 2a, 2b.

18. Teachers' Course.—*I;* (2). Assistant Professor Watson

Prerequisite: Physics 1, 3; or 2a, 2b.

[Not given in 1911-12.]

ADVANCED COURSES FOR GRADUATES AND UNDERGRADUATES

4. Electrical and Magnetic Measurements.—Exact electrical and magnetic measurements with accompanying theory. Laboratory exercises; discussions; recitations. *I, II;* (2).

Assistant Professor Knipp, Dr. Williams, Mr. Smith

Prerequisite: Physics 1, 3; or 2a, 2b; Mathematics 7, 9.

14. Mechanics and Advanced General Physics.—An introduction to theoretical physics involving the calculus. *First semester:* dynamics with a brief introduction to thermodynamics. *Second*

semester: elementary mathematical theory of electricity and magnetism, with a brief introduction to theory of light. *I, II;* (3).
Dr. TAYLOR

Prerequisite: A course in general physics, such as Physics 2a and 2b, or 1 and 3, and a course in calculus.

20a. LIGHT.—Special phenomena; modern theories; readings in texts of Drude, Wood, and Preston. Lectures; recitations. *I* or *II;* (2). Assistant Professor SCHULZ

Prerequisite: Physics 1, 3; or 2a, 2b; Mathematics 7, 9; or 8a.

20b. LIGHT.—Light measurements. Laboratory. *I* or *II;* (2 to 5).
Assistant Professor SCHULZ

Prerequisite: Physics 1, 3; or 2a, 2b; Physics 17 desired.

21. RECENT ADVANCES IN PHYSICAL SCIENCE.—Lectures illustrated by experiments. *II;* (1). Assistant Professor KNIPP

23. SOUND.—*Twice a week; II.* Assistant Professor WATSON
[Not given in 1911-12.]

25. HEAT.—*II;* (2). Assistant Professor WATSON
Prerequisite: Physics 1, 3; or 2a, 2b; Physics 16 advised.
[Not given in 1911-12.]

28. RADIOACTIVITY.—Lectures on the chemical and physical properties of radioactive substances, including the relation of these substances to each other, the nature and properties of their respective radiations, and the discussion of these with respect to their bearing on the hypothesis of atomic disintegration. *II;* (3). Dr. TAYLOR

Prerequisite: Physics 2a, 2b; or 1, 3 and elementary calculus.

29. ELECTRICAL OSCILLATIONS.—Oscillating currents of both low and high frequencies, with particular attention in the second semester to the theory of wave telegraphy and telephony. *I, II;* (3).
Professor CARMAN

Prerequisite: Physics 1, 3; Mathematics 7, 9.

30. ELECTRICITY AND MAGNETISM.
Assistant Professor KNIPP, Dr. WILLIAMS
[Not given in 1911-12.]

COURSES FOR GRADUATES

The prerequisite for graduate work in physics is a college course in general physics with a year's laboratory course in introductory physical measurements. The student who is to do major work in physics should also have had additional courses in physics or teaching experience, unless the training in his minor subject, mathematics or chemistry, has been strong and complete. He should also have a knowledge of French and German sufficient to use references in these languages. The courses named below are those open for candidates for the master's or doctor's degree. A large part of the last year's work of the candidate for the doctor's degree is investigational, along either the experimental or the theoretical side of physics. In addition to these major graduate courses, the courses in elementary dynamics, heat, light, electrical measurements, and introductory electrical theory (courses 114, 125, 120, 104, 130), are arranged with certain additions for graduate credit. The "intermediate" courses on heat, light, and electricity and magnetism (courses 15, 16, 17), may be offered by students making a minor in physics.

124. CONDUCTION OF ELECTRICITY THROUGH GASES.—A theoretical and experimental course. Thomson's *Conduction of Electricity Through Gases;* McClung's *Laboratory Manual. Three times a week; I, II.* Assistant Professor KNIPP

126. PHYSICS CLUB.—Weekly meetings of the instructors and advanced students of the department to discuss assigned papers and topics. Discussions often accompanied by experimental demonstrations. *Once a week; I, II.*

127. ELECTRON THEORY.—Cathode rays; the general properties of the electron theory of Roentgen rays; optical properties of moving media; principles of relativity; the new corpuscular theory of light; Zeeman phenomenon; electro-optics. *Twice a week; I, II.*

Assistant Professor KUNZ

131. INVESTIGATION OF SPECIAL PROBLEMS.—Laboratory or design and calculation. *Three to five times a week; I, II.*

Professor CARMAN, Assistant Professors KNIPP, SCHULZ, and KUNZ

Prerequisite: One semester of physics in advance of Physics 1, 3.

132. MATHEMATICAL PHYSICS.—Special topics in theoretical physics.

(a) DYNAMICS.—First part: dynamics of a material system; determination of the center of gravity; of moment of inertia and of potentials; second part: the principle of least action; Lagrange's equations; motions of the top and applications. *Three times a week; I, II.* (Given 1910-11.) Assistant Professor KUNZ

(b) ELECTRODYNAMICS.—(1). The principles of electrodynamics, Maxwell's theory, and modern modifications; applications of spherical harmonics, conjugate functions, potential theory, and theorems of the vector analysis; theory of electromagnetic waves. Lectures; collateral reading. *Four times a week; I, II.* (Given in 1910-11.)

(2). Various applications of Bessel's Functions to electric currents, etc. *Once a week; I, II.* (Given in 1911-12.)
Assistant Professor KUNZ

Prerequisite: Differential Equations; general physics.

(c) THERMODYNAMICS,—Fundamental principles with applications to physical and chemical phenomena. Lectures; recitations. *Three times a week; I, II.* Assistant Professor KUNZ

Prerequisite: Differential Equations; General Physics.

133. SEMINAR AND THESIS.—*Three to five times a week; I, II.*
Professor CARMAN, Assistant Professors KNIPP, SCHULZ, and KUNZ

PHYSIOLOGY

FRANK CHRISTIAN BECHT, Ph. D., *Assistant Professor*
OTIS ORION STANLEY, M. S., M. D., *Instructor*
ROBERT WOOD KEETON, A. B., *Assistant*

Of the courses outlined below, 1 and 2 are designed primarily for medical students, or for those intending to specialize in histology or physiology; course 4, for prospective teachers of high-school biology or students from other colleges desiring a course in general physiology; courses 3, 5, may be taken by seniors in the medical course and course 103 by graduate students.

The laboratory is equipped for the pursuance of research involving the use of apparatus necessary for physiological, histological, bacteriological, and chemical work.

1. HISTOLOGY.—Fundamental mammalian tissues; microscopic anatomy of the organs. Lectures and laboratory. (Full medical credit in histology.) *I;* (5). Mr. KEETON

Prerequisite: Physics 2a; Chemistry 1, 2, 3, 5a, 9, 9c; Zoology 2, 3.

2. MAJOR COURSE.—Physiology of nerve and muscle; circulation; respiration; secretion; digestion, metabolism. Lectures and laboratory. (Full medical credit in physiology.) *II;* (10).
Assistant Professor BECHT, Mr. KEETON

Prerequisite: The same as for Physiology 1.

3. UNDERGRADUATE THESIS.—(For undergraduates who wish a thesis course.)

4. MINOR COURSE.—Practical hygiene; teaching physiology in high schools. Lecture demonstrations; recitations; laboratory work. *I;* (5). Assistant Professor BECHT

Prerequisite: Chemistry 1; Zoology 1.

5. Special Physiology.—(For advanced students who wish to take up a special line of work not specified in one of the other courses and not involving the preparation of a thesis.) Laboratory; conferences. *I, II;* (3 hours or more).

Assistant Professor Becht, Dr. Stanley, Mr. Keeton

Prerequisite: The consent of the head of the department.

6. Hygiene.—See Physical Training 9.

COURSE FOR GRADUATES

103. Research.

Assistant Professor Becht, Dr. Stanley, Mr. Keeton

111. Physiological Journal Club.—Meetings of the teaching staff of the department, the graduate students, and advanced undergraduates to discuss articles of interest in current journals. Each student is expected to report a paper about once in two months.

POLITICAL SCIENCE

(See also Economics, History, and Sociology.)

*James Wilford Garner, Ph. D., *Professor*
John Archibald Fairlie, Ph. D., *Professor*
Walter Fairleigh Dodd, Ph. D., *Assistant Professor*
John Mabry Mathews, Ph. D., *Associate*

Honors

For honors in political science:

1. The major of 24 hours in political science may, with the consent of the department, include courses in constitutional history (History 4 and 14) or political philosophy (Philosophy 5).

2. One minor must be history, in which courses must be offered aggregating not less than 12 hours. The other minor may be economics, sociology, or philosophy, to an amount aggregating not less than 9 hours.

3. A reading knowledge of one modern language is advised.

COURSES FOR UNDERGRADUATES

Courses 1 and 3 are intended to furnish a general survey of the field of national, state, and city government in the United States and should be taken by all students who expect to specialize in political science.

1. American Federal Government.—National government in

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* On leave of absence.

the United States; historical development; organization; powers, limitations; practical working. *I;* (3). Dr. MATHEWS

Prerequisite: Thirty hours of university work.

3. STATE AND LOCAL GOVERNMENT.—The position of states in the Federal Union; formation and admission of states; development of state constitutions; organization of state and local governments; political methods. (A continuation of course 1; may be taken independently.) *II;* (3).

Professor FAIRLIE, Assistant Professor DODD, Dr. MATHEWS

Prerequisite: Thirty hours of university work.

9. ELEMENTS OF JURISPRUDENCE.—The nature of law; historical development of Roman and English legal systems; English common law in the United States; sources of law and relation between statutes and judicial decisions; brief discussions of the various branches of law (crime, tort, contract, etc.) and their relation to one another. *I;* (3). Assistant Professor DODD

Prerequisite: At least thirty hours of university work and course 1 or its equivalent.

16. THE GOVERNMENT OF ILLINOIS.—The organization and administration of state and local government: constitutional development; the legislature; the judiciary; the executive; state officers and institutions; county, town, and municipal government. *I;* (2).

Professor FAIRLIE

~~17. ELEMENTARY LAW.—*I;* (2).~~ Assistant Professor DODD

~~[Not given in 1911-12.]~~

COURSES FOR GRADUATES AND QUALIFIED UNDERGRADUATES

2a. BRITISH GOVERNMENT.—Political institutions in the United Kingdom and the British possessions; the Crown; the Cabinet; the House of Commons; the House of Lords; the party system; the courts of law; local government; government in the Crown Colonies and the self-governing colonies; recent developments and proposed changes. *I;* (3). Professor FAIRLIE

Prerequisite: Graduate standing; or senior standing with six hours in political science.

2b. CONTINENTAL EUROPEAN GOVERNMENTS.—The national political systems of France, Germany, Austria-Hungary, Italy, and Switzerland; constitutional beginnings; political organization; methods of legislation and administration; constitutional guarantees for the protection of individual rights. *II;* (3). Assistant Professor DODD

Prerequisite: Graduate standing; or senior standing with six hours in political science.

4. Municipal Government.—The growth of cities; municipal organization and functions in the United States; police; light and water supply; urban transportation; municipal ownership of public utilities; city planning; charities; education. Lectures; assigned readings; reports. *I;* (3). Professor Fairlie

Prerequisite: One course in political science or economics.

5. Constitutional Law of the United States.—The judicial interpretation of the federal constitution; judicial power to declare laws unconstitutional; separation of governmental powers; relation between state and federal governments; fundamental rights under the constitution (due process of law, contract, etc.); territories and dependencies; federal powers with respect to taxation, commerce, etc.; jurisdiction of federal courts. *I;* (3).

Assistant Professor Dodd

Prerequisite: Political Science 1.

6. International Law.—The development of the law of nations; its nature, source, and present status; the equality of states; the doctrine of intervention; the laws of war and peace; the rights and duties of neutrals; the arbitration movement. Lectures, assigned readings, and reports. *I;* (3). Dr. Mathews

Prerequisite: Graduate or senior standing.

7. American Diplomacy.—The genesis and present organization of the Department of State; the diplomatic service; the treaty making power; the methods and traditional principles of the foreign policy of the United States; historical review of the principal diplomatic controversies between the United States and foreign powers from the foundation of the government to the present time; the rise of the United States to the position of a world power. *II;* (2).

Dr. Mathews

Prerequisite: Graduate or senior standing.

8. Colonial Government.—*I;* (2). Assistant Professor Dodd

Prerequisite: Five hours in history or political science.

[Not given in 1911-12.]

10. Administrative Law in the United States.—Separation of governmental powers and delegation of legislative power; federal and state administrative organization; powers of administrative officers; methods of enforcing governmental commands; remedies of the individual against unlawful action of public officers (civil suit, criminal action, mandamus, injunction, etc.). *II;* (3).

Assistant Professor Dodd

Prerequisite: Course 5 and at least junior standing.

11. CONSTITUTIONAL ASPECTS OF SOCIAL AND INDUSTRIAL PROBLEMS.—The police power for the protection of the public safety, health, and welfare; constitutional limitations upon legislation concerning the public health and safety, the control of public service corporations and combinations of capital, and labor legislation. *II;* (3). Assistant Professor DODD

Prerequisite: At least 5 hours in political science; Political Science 5, or Economics 12 recommended.

12. NATIONAL ADMINISTRATION IN THE UNITED STATES.—*II;* (3). Professor FAIRLIE

Prerequisite: Course 1.

[Not given in 1911-12.]

13. STATE ADMINISTRATION IN THE UNITED STATES.—State executive and administrative organization; the judicial control over the administration. *II;* (2). Dr. MATHEWS

Prerequisite: Course 3 or its equivalent.

14. POLITICAL PARTIES.—The development of political parties; their organization and influence on the government, mainly in Great Britain and the United States; recent legislation governing primaries and nomination methods in this country. *II;* (2). Professor FAIRLIE

Prerequisite: One course in political science.

COURSES FOR GRADUATES

Graduate work in political science embraces the following special fields: (1) Comparative Government; (2) Public Administration and Administrative Law; (3) International Law and Diplomacy; (4) Constitutional Law; and (5) Political Theory.

No student is considered qualified to carry graduate work in political science who has not had at least the equivalent of the introductory college courses in government and history. A reading knowledge of German and French is highly desirable and in some of the courses indispensable. Attention is called to the fact that recently extensive additions to the library equipment have been made so that the facilities for research work in political science are now believed to be ample for ordinary purposes.

101. MUNICIPAL ADMINISTRATION.—Special problems in municipal organization and functions. *II.* Professor FAIRLIE

102. NATURE OF THE STATE.—*I.* Professor GARNER

[Not given in 1911-12.]

103. SEMINAR IN POLITICAL SCIENCE AND PUBLIC LAW.—Investigation of special problems. Presentation of reports followed by

discussion and criticism. (The research work of candidates who are writing theses will be under the personal supervision of some individual instructor to whom the candidates will report from time to time.)

Professor FAIRLIE, Assistant Professor DODD, Dr. MATHEWS

PSYCHOLOGY

(See also PHILOSOPHY and EDUCATION.)

* STEPHEN SHELDON COLVIN, Ph. D., *Professor*
GEORGE FREDERICK ARPS, Ph. D., *Assistant Professor*
ARTHUR HOWARD SUTHERLAND, Ph. D., *Associate*
WILFRED STANTON MILLER, A. M., *Research Assistant*

Students who do major work in psychology should take a minimum of six hours in philosophy, four of which will be counted as a part of the total number of hours required for the major in psychology. The courses specially advised are Philosophy 3 and 4.

Psychology 1 and 2 offer a continuous course and cannot be taken separately for credit. These courses are the prerequisites for all further courses in psychology. No student may do graduate work in psychology without having had these two introductory courses and at least three credit hours in philosophy.

Honors

Candidates for honors in psychology must offer:

1. At least 24 semester hours in psychology, of which at least 6 shall be in the laboratory course and 6 in philosophy.

2. Two minors from the subjects listed below under groups (a) and (b). This selection must be so made that at least 15 hours shall be completed in some subjects taken from one of these groups, and at least 9 hours from some subject in the other of these groups.

These groups are as follows:

(a) Physics; physiology; zoology.
(b) Education; philosophy; sociology.

INTRODUCTORY COURSES

1. ELEMENTARY PSYCHOLOGY.—The structure and functions of the nervous system and the end-organs; sensation, perception, imagination, and memory. (For beginners in psychology; must be followed by course 2 for credit; it should not be taken later than the junior year.) *I;* (3).

Assistant Professor ARPS, Dr. SUTHERLAND

Prerequisite: One year of university work.

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* On leave of absence.

2. Elementary Psychology Continued.—The psychology of the thought processes and the general principles of learning; the principal phenomena of feeling and volition as distinguished from those of the intellect. *II;* (3).

Assistant Professor Arps, Dr. Sutherland

10. The Experimental Psychology of the Learning Processes.—*I, II;* (3).

Prerequisite: Psychology 1, 2. By special permission this requirement may be waived in the case of properly qualified teachers who are at work in the field.

[Not given in 1911-12.]

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

No student admitted to any of these courses without at least junior standing.

3. Experimental Psychology.—The technique for investigation of simpler mental processes; the accurate observation and recording of these processes. Individual differences emphasized and independent thought encouraged. *I;* (3).

Dr. Sutherland, Mr. Miller

Prerequisite: Psychology 1, 2.

4. Experimental Psychology Continued.—(A continuation of 3; may not be taken separately.) *II;* (3).

Dr. Sutherland, Mr. Miller

5. Genetic Psychology.—*II;* (2). Professor Colvin

[Not given in 1911-12.]

6. Comparative Psychology.—Animal behavior and its interpretation. The literature reviewed with particular emphasis on the problems now under investigation at the various laboratories; the learning process analyzed in the light of experimental results. *I;* (2).

Assistant Professor Arps

Prerequisite: Psychology 1, 2.

9. Physiological Psychology.—The psychology of sense perception and reflex action with particular emphasis on the underlying physiological processes. Lectures; laboratory. *I;* (2).

Dr. Sutherland, Mr. Miller

Prerequisite: Psychology 1, 2.

12. Minor Problems in Experimental Psychology.—Special investigations by the student. Laboratory. *I, II;* (2 to 5).

Assistant Professor Arps, Dr. Sutherland

Prerequisite: Psychology 3, 4.

COURSES FOR GRADUATES

No student may do graduate work in psychology without having had courses 1 and 2 (elementary psychology) or their equivalent, and at least one three-hour course in philosophy.

101. RESEARCH.—Advanced problems in experimental psychology and in comparative and genetic psychology. *I, II.*
Assistant Professor ARPS, Dr. SUTHERLAND

102. CONTEMPORARY LITERATURE.—The most important problems of contemporary psychology with their historical bearings. *I, II.*
Assistant Professor ARPS, Dr. SUTHERLAND

111. THE PSYCHOLOGY OF THE INTELLECTUAL PROCESSES.—Sensation; perception; attention; memory; imagination; judgment; reasoning. *II.* Assistant Professor ARPS

113. ABNORMAL PSYCHOLOGY.—Defects in the different fields of sensation: illusions; hallucinations; automatisms; trance; hypnosis; suggestion; dreams; the subconscious; defects of speech; defects of emotion and volition; defects of memory and association; obsessions; impulsions; genius and insanity; temperament and personality. *II.* Dr. SUTHERLAND

114. THE PSYCHOLOGY OF MEMORY. Assistant Professor ARPS
[Not given in 1911-12.]

PUBLIC SPEAKING

(See RHETORIC.)

RAILWAY ENGINEERING

WILLIAM FREEMAN MYRICK GOSS, M.S., D.Eng., *Director*

EDWARD CHARLES SCHMIDT, M. E., *Professor*

ALONZO MORRIS BUCK, M. E., *Assistant Professor, Railway Electrical Engineering*

FRANCIS SEELEY FOOTE, JR., E. M., *Associate, Railway Civil Engineering*

Railway Civil Engineering—Courses 31-50.
Railway Electrical Engineering—Courses 61-65.
Railway Mechanical Engineering—Courses 1-30.

RAILWAY MECHANICAL ENGINEERING

1. LOCOMOTIVES.—The mechanics of the locomotive; problems relating to its operation; the engine and valve mechanism; counterbalancing; the determination of tractive effort; tonnage rating problems; the development of types. (The course is co-ordinated with courses 2 and 8.) *I;* (2). Professor SCHMIDT

Prerequisite: Theoretical and Applied Mechanics 9; Mechanical Engineering 3, 15, 16.

2. Locomotive Design.—Calculations and design of engine and boiler details; current standards and proportions. Drafting room systems. *I;* (3).

Prerequisite: Mechanical Engineering 3, 4, 5, 15, 16; Theoretical and Applied Mechanics 9; registration in Railway Engineering 1.

3. Shops and Auxiliary Equipment.—The design and equipment of railway shops and roundhouses; their management and organization, supplemented by shop visits; water purifying plants and pumping stations; air-brake equipment. *II;* (2).

Prerequisite: Mechanical Engineering 3, 4; Chemistry 1b or 1a.

4. Locomotive Performance.—Locomotive boiler and engine performance; the influence upon performance of combustion rate, steam pressure, speed, cut-off and other valve relations, compounding, and superheating. *I;* (2). Professor Schmidt

Prerequisite: Theoretical and applied Mechanics 8; Mechanical Engineering 3, 4, 5, 15, 16.

7. Advanced Design.—Problems in locomotive and car design. *II;* (3). Professor Schmidt

Prerequisite: Railway Engineering 2.

8. Dynamometer Car Tests.—Investigation of train resistance and locomotive tractive effort, by the use of the railway test car in trains on the Illinois Central Railroad; discussion and exemplification of the application of the results to the determination of tonnage ratings. *I;* (2). Professor Schmidt

Prerequisite: Open to seniors in railway courses only.

10. Seminar.—Discussion of current topics and review of railway journals. Assigned topics and reports. *I, II;* (1).
Professor Schmidt, Assistant Professor Buck

Prerequisite: Open to seniors in railway courses only.

11. Railway Tests.—Train resistance on steam roads and work with the electric test car. (For students in other departments of the College of Engineering.) *II;* (2).
Assistant Professor Buck, Mr. ———

Prerequisite: Mechanical Engineering 3; Electrical Engineering 6.

30. Thesis.—Independent solution of some problem or investigation of some subject. The thesis may consist of a design or of an

original experimental investigation, or it may be the analysis and discussion of data already in existence. *II;* (3).

Professor SCHMIDT, Assistant Professor BUCK, Mr. ———, Mr. FOOTE

RAILWAY CIVIL ENGINEERING

31. RAILWAY YARDS AND TERMINALS.—The theory and practice of the proper location of frogs and switches; the design of yards to insure efficiency of operation; the details of track construction. *II;* (3). Mr. FOOTE

Prerequisite: Civil Engineering 4.

32. RAILWAY STRUCTURES.—The details of railway structures; problems in original design. *II;* (2). Mr. FOOTE

Prerequisite: Civil Engineering 4 and 5.

33. ECONOMIC THEORY OF RAILWAY LOCATION.—The influence of location upon the net earning power of a line of railway. *I;* (4). Mr. FOOTE

Prerequisite: Civil Engineering 4; Theoretical and Applied Mechanics 7, 8.

35. SIGNAL ENGINEERING.—The general arrangement of automatic block signals on single and double track lines; interlocking systems for terminals; details of construction and of operation. *I;* (1). Mr. FOOTE

Prerequisite: Civil Engineering 4.

50. SEMINAR.—Discussion of current topics; review of railway journals; assigned topics and reports. *II;* (1). Mr. FOOTE

RAILWAY ELECTRICAL ENGINEERING

61. TRACTION.—Electric railway equipment and practice. The work of the course is exemplified by the use of the electric test car owned by the department. (For students in electrical engineering or railway mechanical engineering.) *II;* (2).

Assistant Professor BUCK

Prerequisite: Theoretical and Applied Mechanics 8; Electrical Engineering 16, 6; or 3, 24.

63. RAILWAY LARORATORY AND ROAD TESTS.—Electrical laboratory problems and electric car and dynamometer car tests to determine train resistance and power consumption for electric cars and steam trains. *II;* (3). Assistant Professor BUCK

Prerequisite: Railway Engineering 64; Electrical Engineering 24.

64. ELECTRIC RAILWAY PRACTICE.—The types of electric railway systems and apparatus; the engineering problems met with in pre-

liminary road location, in the selection of electrical equipment, and in its operation and maintenance. *I;* (3).

Assistant Professor Buck

Prerequisite: Theoretical and Applied Mechanics 8; Electrical Engineering 5 and 24.

65. Electric Railway Practice.—The problem of steam road electrification. *II;* (3). Assistant Professor Buck

Prerequisite: Railway Engineering 64.

COURSES FOR GRADUATES

Entrance upon graduate work in railway engineering presupposes the full undergraduate course in that subject.

102. Locomotive Design.—Modern practice concerning steam pressure, compounding, superheating. Professor Goss

106. Locomotive Operation.—Determination of train resistance and locomotive tractive effort; application of these and other matters in the establishment of tonnage ratings. Professor Schmidt

108. Electric Railway Practice.—The design, selection, operation, and maintenance of electric railway equipment; central station, sub-station, rolling stock, and line equipment.

Assistant Professor Buck

110. Railway Location.—The effects of the location of a railway upon its earning capacity; the engineering and economic problems met with in original location, as well as in the relocation and reduction of grades of existing lines. Mr. Foote

RHETORIC

(See English.)

THE ROMANCE LANGUAGES

Thomas Edward Oliver, Ph. D., *Professor*
David Hobart Carnahan, Ph. D., *Associate Professor, Chairman*
John Driscoll Fitz-Gerald, II, Ph. D., *Assistant Professor*
Jean-Baptiste Beck, Ph. D., *Assistant Professor*
Arthur Romeyn Seymour, Ph. D., *Associate*
Florence Nightingale Jones, Ph. D., *Instructor*
David Simon Blondheim, Ph. D., *Instructor*
William Samuel Hendrix, A. M., *Assistant*
Ingebrigt Lillehei, A. M., *Assistant*
Jay Carl Ditchy, A. B., *Assistant*

FRENCH

Honors

Candidates for honors in French must offer:

1. A major in French.

2. One minor of at least 12 hours in Latin. This is to be in addition to three years of high school Latin.

3. One minor of at least 10 hours in one of the following subjects: German, excluding German 1 and 3; Spanish, excluding Spanish 1; Italian; English literature, excluding English 1; history; philosophy.

FOR UNDERGRADUATES

1. Elementary Course.—Grammar; pronunciation; reading of simple modern authors; composition; conversation. *I, II;* (4).

Associate Professor Carnahan, Dr. Jones, Dr. Blondheim, Mr. Lillehei, Mr. Ditchy

2. Modern Prose, Poetry, and Drama.—Rapid reading of representative modern authors; advanced syntax and composition. *I, II;* (4). Professor Oliver, Dr. Blondheim

Prerequisite: French 1.

3. Intermediate Prose Composition and Conversation.—Conducted entirely in French, giving facility in idiomatic expression in writing and speaking. Readings; themes; talks upon France and French life. *I, II;* (3). Dr. Blondheim

Prerequisite: French 2.

Note: This course is required of those who expect the recommendation of the department to teach French.

4. Advanced Composition.—A continuation of French 3 with special emphasis upon advanced syntax. *I, II;* (2).

Assistant Professor Beck

Prerequisite: French 3.

24. The Seventeenth Century.—The greater masterpieces of the seventeenth century in France; the drama. *I, II;* (2).

Professor Oliver

Prerequisite: French 2.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

10. General Survey of French Literature.—The literary masterpieces of France; the main currents of French literature from the beginning to the present time. *I, II;* (2).

Associate Professor Carnahan

Prerequisite: French 2.

Note: This course is strongly recommended to those who desire the endorsement of the department to teach French.

25. COURSE FOR TEACHERS.—The various methods of teaching French in this country and abroad; actual contact with class-room problems. *I;* (1).

Professor OLIVER and other members of the department

Prerequisite: Twenty-four hours' credit in French.

COURSES FOR GRADUATES

Before entering upon the study of the Romance languages for an advanced degree, the candidate should have had a total of at least thirty hours of college work in these languages. Eighteen of these hours must be in one of the three languages, French, Italian, or Spanish, but no candidate will be received who has not had at least twelve hours of French. In addition a candidate should have had good training in Latin, and be able to read ordinary German prose.

102. OLD FRENCH READINGS.—*First semester:* Chrétien de Troyes and the court epic. *Second semester:* Readings from Marie de France, the prose chroniclers, and the dramatists of the middle ages. *Twice a week; I, II.* Professor OLIVER

103. OLD FRENCH PHONOLOGY AND MORPHOLOGY.—Development of Old French from Vulgar Latin. *Twice a week; I, II.*

Associate Professor CARNAHAN

[Not given in 1911-12.]

110. OLD PROVENCAL.—The language and literature. The early lyric poetry of the north of France is studied also in this course. *Twice a week; I, II.* [This course is conducted in French.]

Assistant Professor BECK

112. INTRODUCTION TO ROMANCE PHILOLOGY.—*Once a week; I, II.*

Assistant Professor FITZ-GERALD

125. SEMINAR.—Research in special fields of Romance literature.

ITALIAN

COURSES FOR UNDERGRADUATES

1. ELEMENTARY COURSE.—Grammar; composition; conversation. Bowen's *Italian Reader;* Marinoni's *Italian Reader;* De Amicis' Novella; Manzoni's *I Promessi Sposi. I, II;* (3). Dr. JONES

Prerequisite: One year of university work in French, Spanish, or Latin.

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

2. LITERARY COURSE.—*First semester:* Rapid reading from the works of the Italian writers of the nineteenth century. *Second semester:* Dante: *Vita Nuova; Inferno.* Selections from Boccaccio's *Decameron. I, II;* (2).

Prerequisite: Italian 1.

SPANISH

COURSES FOR UNDERGRADUATES

1. ELEMENTARY COURSE.—Grammar and easy reading; the acquisition of the ability to understand spoken Spanish. *I, II;* (4).

Assistant Professor FITZ-GERALD, Dr. SEYMOUR, Mr. DITCHY, Mr. HENDRIX

2. CONVERSATION AND COMPOSITION.—Reading of modern prose; conversation; composition. The vocabulary of everyday life is emphasized. Commercial correspondence. *I, II;* (2). Dr. SEYMOUR

Prerequisite: Spanish 1.

3. GENERAL INTRODUCTION TO SPANISH LITERATURE.—Rapid reading of selected works of representative modern authors; composition and advanced syntax; the most important authors of the seventeenth century. *I, II;* (3). Dr. SEYMOUR

Prerequisite: Spanish 1.

4. ADVANCED CONVERSATION AND COMPOSITION.—Commercial correspondence; reading of commercial Spanish. *I, II;* (2).

Assistant Professor FITZ-GERALD

Prerequisite: Spanish 2.

FOR ADVANCED UNDERGRADUATES AND GRADUATES

11. THE SPANISH DRAMA OF THE SIXTEENTH AND SEVENTEENTH CENTURIES.—*Encina; Torres Naharro; Lope de Vega; Lope de Rueda; Tirso de Molina; Calderon; Ruiz de Alarcon; Moreta; Rojas Zorilla; Schack's Dramatic Literature. I, II;* (3). Dr. SEYMOUR

Prerequisite: Spanish 3

12. THE NOVELA OF THE GOLDEN AGE.—The political and social conditions in Spain from 1560 to 1700; the various kinds of prose fiction of the period; *Don Quixote* and the *Novelas Ejemplares* of Cervantes. *I, II;* (3). Assistant Professor FITZ-GERALD

Prerequisite: Spanish 3.

COURSES FOR GRADUATES

119. General Survey of Spanish Literature.—An introduction to more extended study of special periods and authors. *Once a week; I, II.* Dr. Seymour

121. Oldest Monuments of the Spanish Language.—Historical grammar and palæography. *Once a week; I. II.* Assistant Professor Fitz-Gerald

122. Origin of the Spanish Drama.—*Once a week; I, II.* Assistant Professor Fitz-Gerald

[Not given in 1911-12.]

THE SCANDINAVIAN LANGUAGES AND LITERATURE

(See Germanic Languages and Literature.)

THE SOCIAL SCIENCES

(See Accountancy, Economics, History, Political Science, and Sociology.)

SOCIOLOGY

Edward Cary Hayes, Ph. D., *Professor*
Arthur James Todd, Ph. D., *Instructor*

Honors

For honors in sociology twenty-four hours in the major subject are required, including Sociology 1, 3, 8, and 9.

The minor subjects may be selected, with the approval of this department, from the following: history, economics, political science, philosophy, and psychology. All candidates must have taken Psychology 1 and 2.

COURSES FOR UNDERGRADUATES

7. The Social Problems of the Rural Community.—*II;* (3). Professor Hayes

Prerequisite: Junior standing.

8. Charities.—*I;* (3). Dr. Todd

Prerequisite: Junior standing.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

1. The Principles of Sociology.—The realities that make up the general life of a people; relation between general sociology and psychology, history, economics, and political science; the individual and society; customs, institutions, organizations, social classes and

castes; changes in social realities and their causes; effects due to climate, natural resources, railways and other forms of property possessed and the manner of its distribution; effects of race-traits, temperament, habits; effects of different forms of prevalent activity on each other; order; progress. *I;* (3). Professor HAYES

Prerequisite: Junior standing or equivalent preparation; should if possible be preceded or accompanied by Psychology 1 and 2.

3. SOCIAL EVOLUTION.—Modes of social activity among people at different stages of progress: savage, barbarous, and civilized; family organization, practical arts, economic wants and institutions, origins of government and law, codes of morality, religions; inductions from such facts, including a theory of social evolution and the method of progress. *I;* (3). Professor HAYES

Prerequisite: The same as for Sociology 1; should if possible be preceded or accompanied by Sociology 1.

6. THE SOCIAL PROBLEMS OF THE URBAN COMMUNITY.—*II;* (3). Professor HAYES

Prerequisite: Senior standing.

9. CRIMINOLOGY.—The criminal and the treatment of crime. *II;* (3). Dr. TODD

Prerequisite: Senior standing.

10. POPULATION.—Race traits and their influence on prevalent activities, immigration, the Negro in America, selective influences affecting the reproduction of population in the United States, public health as affected by occupation and other conditions. *I;* (3). Dr. TODD

Prerequisite: Senior standing.

12. THE LABOR PROBLEM.—The same as Economics 12.

21. SOCIALISM AND SOCIAL REFORM.—The same as Economics 21. (12 and 21 must be counted in the department of economics by students whose major subject is economics.)

26. SOCIAL ORGANIZATION AND PROGRESS IN RELATION TO EDUCATION.—*II;* (3). Dr. TODD

Prerequisite: Sociology 1.

COURSES FOR GRADUATES

Preparation for graduate work in sociology should include the principles of economics and psychology, together with history. Unless the undergraduate preparation has also included the subject matter treated in one or more of the courses numbered 1, 3, 8 and 9, none of those courses may be omitted by a graduate student whose major subject is sociology.

101. Sociological Method.—*Three times a week. I.*
Professor Hayes

[Not given in 1911-12.]

102. The Development of Sociology.—A reading course in the original works of the writers who have contributed most to the development of sociology. *Twice a week; I, II.*
Professor Hayes

150. Seminar.—Special topics for research. *One session of two hours once a week; I, II.* Professor Hayes and Dr. Todd

THREMMATOLOGY

Eugene Davenport, M. Agr., LL. D., *Professor*

1. The Principles of Evolution Applied to the Improvement of Domesticated Animals and Plants.—Variation, its extent and causes; relative stability and instability of living matter; reflex action, habit, and instinct, bearing upon the question of inheritance of acquired characters; the origin, correlation, and disappearance of characters; transmission and the laws of heredity as developed by the statistical method of study; power of selection to modify type. *II;* (5). Professor Davenport

Prerequisite: Two years of university work, including ten hours in biology.

2. Investigation and Thesis.—*I, or II;* (5).
Professor Davenport

VETERINARY SCIENCE

Donald McIntosh, B. S., *Professor*

In the department of veterinary science the student is instructed in subjects relating to the prevention of disease among domestic animals, treatment when affected by disease, and the latest and best remedies for the cure of disease.

2. Veterinary Materia Medica.—Agents used for the cure of disease and injury, and for the preservation of health among domestic animals. Lectures; recitations. *I, II;* (5).
Professor McIntosh

4. Anatomy, Physiology, and Diseases of Domestic Animals.—The organs of: mastication; digestion; respiration; circulation; lymphatic system; the urinary organs; the skin. *I;* (5).
Professor McIntosh

5. Anatomy, Physiology, and Diseases of Domestic Animals.—The nervous system, bones, joints, feet, eye, and generative

organs; epizootic and contagious diseases; catarrhal fever; pyemia; speticenia; rheumatism; tuberculosis; fistula of the withers; poll-evil; wounds; internal parasites. *II;* (5).

Professor McIntosh

6. Clinic.—A free clinic is held every Saturday morning from ten to twelve o'clock. Animals are brought to be examined, operated upon and prescribed for. This class is of signal benefit to the student as he has the opportunity of seeing the cases and of assisting in the work. *I, II;* (1). Professor McIntosh

Prerequisite: Registration in Veterinary Science 4 and 5.

ZOOLOGY

(See also Entomology, Botany, and Physiology.)

Henry Baldwin Ward, Ph. D., *Professor*
Frank Smith, A. M., *Associate Professor*
Charles Zeleny, Ph. D., *Associate Professor*
Frederick Walton Carpenter, Ph. D., *Assistant Professor*
Charles Christopher Adams, Ph. D., *Associate*
Malcolm Kemper, Ph. D., *Research Assistant*
William Walter Cort, A. M., *Assistant*
Bessie Rose Green, A. M., *Assistant*
John Earl Gutberlet, A. M., *Assistant*
Harley Jones Van Cleave, M. S., *Assistant*
Mary Stickney Allen, B.S., *Assistant*
Margaret Wallace Taggart, M. S., *Graduate Assistant*
Charles Frederick Curtis Riley, A. B., *Graduate Assistant*

Courses 1 and 2 constitute a general survey of the subject, involving a year's work, and form the best introduction to later work in zoology. In the second year, a student may choose as a line of work, either morphological, experimental, ecological, faunistic, or systematic courses. The courses on microscopical technique (3) and current literature (20) are of value in all lines of work. Medical students should take courses 3 and 6 in the second year. Those preparing to teach zoology in the high school will find field zoology (16, 17a) and ecology (9) of especial value, and should not overlook the importance of a course in general entomology.

The equipment of the department includes the usual apparatus, microscopes, microtomes, paraffin baths, demonstration material, and reagents. The various special laboratories are equipped with special apparatus and demonstration material in accordance with their particular needs. Provision is made for meeting such special demands as may arise in connection with individual work.

The University Museum contains series of mounted vertebrates, of Ziegler embryological models and of alcoholic material in all groups; these are available as needed for either teaching or research. The collections and library of the Illinois State Laboratory of Natural History are freely accessible to advanced students. They are rich in that which pertains to fresh-water biology. The private library and collections of the head of the department, which contain much material on invertebrate morphology and on parasitism, are also placed at the disposal of graduate students.

COURSES FOR UNDERGRADUATES.

1. GENERAL ZOOLOGY.—Animal biology; general principles of structure; function and inter-relation of animal forms; origin and development of animal life; the simpler and best-established generalizations in zoological theory. Lectures; laboratory; quiz work. *I,* or *II;* (5).

Professor WARD, Associate Professor ZELENY, Dr. ADAMS, and assistants

2. VERTEBRATE ZOOLOGY AND COMPARATIVE ANATOMY.—Classification of the Chordata; the early stages of vertebrate embryology; structure of vertebrate tissues; systems of organs considered in respect to their anatomy, function, ontogeny, and evolution in the vertebrate series; anatomical studies of selected types of the Chordata. Lectures; laboratory; quiz work. *II;* (5).

Assistant Professor CARPENTER

Prerequisite: Zoology 1.

16. FIELD ORNITHOLOGY.—The birds of the vicinity. Identification; food relations; seasonal distribution; migration activities. (Students are advised to provide themselves with opera or field glasses.) Field work; lectures. *II;* (2).

Associate Professor SMITH

COURSES FOR GRADUATES AND UNDERGRADUATES.

3. MICROSCOPICAL TECHNIQUE AND GENERAL VERTEBRATE EMBRYOLOGY.—Theory and practice of microscopical technique; vertebrate embryos in early stages of development; methods of fixation, embedding, section cutting, staining, and mounting; preparation of embryological material for use in introductory embryology. Lectures; laboratory. *I;* (3). Assistant Professor CARPENTER

Prerequisite: Zoology 1, 2.

6. VERTEBRATE ORGANOGENY.—Development of the organs of the vertebrate body. Lectures; assigned readings in a text-book of human embryology; laboratory studies on embryos of the chick and pig. (A continuation of Course 3; for medical students and others.) *II;* (3). Assistant Professor CARPENTER

Prerequisite: Zoology 1, 2, 3.

9. ANIMAL ECOLOGY.—The relation of animals to their natural environment; processes of change in environment and their influence upon animal life; the local fauna and the conditions under which it lives; methods of observation, making notes, and collections. Insects, mollusks, reptiles, amphibians, and fishes. Field work; laboratory; assigned reading; reports. *II;* (5). Dr. ADAMS

Prerequisite: Zoology 1.

11. PRINCIPLES OF ZOOGEOGRAPHY.—The geographic distribution of animals, particularly the faunas of North America and of Illinois; the fauna in its relation to the complete environment (climate, physiography, geology, vegetation) and from the standpoint of its origin and its dynamic relations. Lectures; laboratory work on maps; field excursions. *I;* (3 or 5). Dr. ADAMS

Prerequisite: Zoology 1.

13. EXPERIMENTAL EMBRYOLOGY AND REGENERATION.—The factors concerned in individual development. Lectures; demonstrations. *I;* (2). Associate Professor ZELENY

Prerequisite: One year in zoological courses.

13a. EXPERIMENTAL EMBRYOLOGY AND REGENERATION.—(Laboratory.)—Individual work on definite problems. *I, II;* (1 to 5). Associate Professor ZELENY

Prerequisite: One year in zoological courses.

15. VARIATION AND HEREDITY.—The factors of organic evolution; the principles of animal breeding; eugenics. Lectures and demonstrations. *II;* (2). Associate Professor ZELENY

Prerequisite: One year in zoological courses.

15a. VARIATION AND HEREDITY.—(Laboratory.)—Individual work on definite problems. *I, II;* (1 to 5). Associate Professor ZELENY

Prerequisite: One year in zoological courses.

17a. FIELD ZOOLOGY.—The animal life of a restricted locality. Collection, preservation, and identification of various kinds of animals; observations on the habits and life histories of selected forms. *I;* (3). Associate Professor SMITH

Prerequisite: Zoology 1.

17c. ADVANCED FIELD ZOOLOGY.—More restricted problems in connection with the local fauna; taxonomic or distributional problems. (A continuation of courses 16 and 17a.) *I, II;* (3 to 5).
Associate Professor SMITH

Prerequisite: Zoology 1; 16 or 17a.

7. STRUCTURE OF THE CENTRAL NERVOUS SYSTEM OF VERTEBRATES.—The more important anatomical and histological characters of the vertebrate brain and spinal cord; the grouping of neurones into functional systems with special reference to the higher vertebrates, including man. Lectures; demonstrations. *I;* (2).
Assistant Professor CARPENTER

Prerequisite: One year of zoology or psychology.

29. ADVANCED ANIMAL ECOLOGY.—Special problems in ecology, distribution, and faunas, with reference to the interpretation of the relation between animals and their environments. Conferences; laboratory; field work. *I, II;* (2 to 5). Dr. ADAMS

21. INTRODUCTION TO ZOOLOGICAL RESEARCH.—Investigation of topics, usually repeating the work of earlier investigators; the morphology, life history, or reciprocal relations of invertebrate forms. Laboratory; conferences; assigned reading. *I, II;* (2 to 5).
Professor WARD

Prerequisite: One year in zoological courses.

20. CURRENT LITERATURE.—Meetings of the instructors and advanced students of the department for the presentation and discussion of the results of recent zoological investigation. (Open to all students of zoology; should be taken by those intending to graduate with a thesis.) *I, II;* (1).
Associate Professor ZELENY, Assistant Professor CARPENTER

Prerequisite: One year of zoology.

8. THESIS INVESTIGATION.—Individual work on assigned topics. *I, II;* (5).
Professor WARD, Associate Professor SMITH, Associate Professor ZELENY, Assistant Professor CARPENTER, Dr. ADAMS

Prerequisite: Two years in zoological courses.

COURSES FOR GRADUATES ONLY

Two years of undergraduate work in zoology are ordinarily presupposed for entering upon graduate study in the department. When the work is chosen for a minor the courses listed for graduates and undergraduates, to be acceptable, must be preceded by at least one full year's undergraduate work in zoology. Work done at other institutions will be valued on conference with the head of the department.

103. HISTOLOGY OF THE NERVOUS SYSTEM.—The nervous elements of invertebrates and vertebrates: their form, composition, and topographical relations; the evidence for and against the neurone theory of nervous structure. Conferences; assigned readings; laboratory. *I, II.* Assistant Professor CARPENTER

107. PARASITOLOGY.—*I, II.* Professor WARD

[Not given in 1911-12.]

113. EXPERIMENTAL ZOOLOGY.—Assigned problems in experimental embryology, regeneration, variation, and heredity. *I, II.* Associate Professor ZELENY

117. FAUNISTIC ZOOLOGY.—Problems in taxonomy, distribution, and ecology; field work, conference, and lectures. This work is favored by a natural history survey of the state now in progress at the University; students have the advantage of the collections, library, apparatus, and operations of this survey. *I, II.* Associate Professor SMITH, Dr. ADAMS

121. INDIVIDUAL RESEARCH COURSES.—

(a) Zoological problems. Professor WARD

(b) Systematic and faunistic zoology. Associate Professor SMITH

(c) Animal Ecology and Zoogeography. Dr. ADAMS

(d) Vertebrate Embryology. Assistant Professor CARPENTER

(e) Structure and Development of the Nervous System.

(f) Experimental Zoology. Associate Professor ZELENY

127. THEORIES OF ANIMAL PHYLOGENY.—Relations of various groups of animals; significance of so-called intermediate forms; study of invertebrate larval forms and of theories of descent based on them. Lectures; assigned readings; laboratory. *I, II.* Professor WARD

[Given in 1911-12 and in alternate years.]

PART IV

AUXILIARY SCIENTIFIC BUREAUS

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THE AGRICULTURAL EXPERIMENT STATION

STAFF

Eugene Davenport, M. Agr., LL. D., *Director*
Cyril George Hopkins, Ph. D., *Vice-Director*
Thomas Jonathan Burrill, Ph. D., LL. D., *Botanist*
Stephen Alfred Forbes, Ph. D., *Consulting Entomologist*
Donald McIntosh, V. S., *Consulting Veterinarian*
Henry Lewis Rietz, Ph. D., *Statistician*
Catherine McCallum McIntyre, *Secretary*

In Agronomy—

Cyril George Hopkins, Ph. D., *Chief*
Louie Henrie Smith, Ph. D., *Chief, Plant Breeding*
Jeremiah George Mosier, B. S., *Chief, Soil Physics*
James Harvey Pettit, Ph. D., *Chief, Soil Fertility*
Leonard Hegnauer, B. S., *Chief, Crop Production*
Jerome Edward Readhimer, B. S., *Superintendent, Soil Experiment Fields*
William George Eckhardt, B. S., *First Assistant, Soil Fertility*
Axel Ferdinand Gustafson, B. S., *First Assistant, Soil Physics*
Ernest Van Alstine, B. S., *Associate, Chemistry*
Joseph Paul Aumer, B. S., *Assistant, Chemistry*
Arthur Lumbrick, B. S., *Assistant, Crop Production*
Ora Stanley Fisher, B. S., *Assistant, Soil Fertility*
Clarence Chester Logan, B. S., *Associate, Soil Physics*
Jay Boardman Park, B. S., *Assistant, Chemistry*
Sidney Viel Holt, B. S., *Assistant, Soil Survey*
Harold Wilson Stewart, B. S., *Assistant, Soil Survey*
Henry Clyde Wheeler, B. S., *Assistant, Soil Survey*
Gertrude Niederman, B. S., *Assistant, Chemistry*
John Ezra Whitchurch, B. S., *Assistant. Soil Fertility*
Ward Hanson Sachs, B. S., *Assistant, Soils*
Elmer Massey McDonald, B. S., *Assistant, Crop Production*
Ezekiel Edward Hoskins, B. S., *Assistant, Soil Fertility*
Wilbur Roy Leighty, B. S., *Assistant, Chemistry*
Forest Adison Fisher, B. S., *Assistant, Soil Survey*
Frank William Garrett, B. S., *Assistant, Soil Fertility*

Walter Byron Gernert, Ph. D., *Assistant, Plant Breeding*
Perry E. Karraker, B. S., *Assistant, Soil Survey*
Frederick Martin William Wascher, B. S., *Assistant, Soil Survey*
Frederick Charles Bauer, B. S., *Assistant, Soil Fertility*
Fred Weaver Muncie, B. S., *Assistant, Chemistry*

In Animal Husbandry—

Herbert Windsor Mumford, B. S., *Chief*
Harry Sands Grindley, Sc. D., *Chief, Animal Chemistry*
William Dietrich, M. S., *Assistant Chief, Swine Husbandry*
Louis Dixon Hall, M. S., *Assistant Chief, Animal Husbandry*
Walter Castella Coffey, M. S., *Assistant Chief, Sheep Husbandry*
Henry Perly Rusk, M. S. A., *First Assistant, Cattle Husbandry*
James Lloyd Edmonds, B. S., *First Assistant, Horse Husbandry*
Arthur Donaldson Emmett, A. M., *Assistant Chief, Animal Nutrition*
Walter F. Handschin, *Assistant, Animal Nutrition*
Harold Hanson Mitchell, B. S., *Assistant, Chemistry*
William Herschel Smith, B. S., *Assistant, Animal Husbandry*
Leonora Perry, A. B., B. L. S., *Editorial Assistant*
Sleeter Bull, M. S., *Assistant, Animal Nutrition*
John Jonathon Yoke, *Assistant, Animal Husbandry*

In Dairy Husbandry—

Wilbur John Fraser, M. S., *Chief*
Cassius Clay Hayden, M. S., *Assistant Chief, Dairy Husbandry*
Burt Ransom Rickards, B. S., *Assistant Chief, Municipal and Sanitary Dairying*
Nelson William Hepburn, M. S., *First Assistant, Dairy Manufactures*
Royden Earl Brand, B. S., *First Assistant, Dairy Husbandry*
Walter Lee Gaines, M. S., *Associate, Dairy Husbandry*
Jesse Melangthon Barnhart, B. S., *Assistant, Chemistry*
LeRoy Lang, M. S., *Assistant, Dairy Manufactures*
Frederick Andreas Jorgenson, *Assistant, Field Work*
William Truman Crandall, B. S., *Assistant, Milk Producttion*
Homer Elkanah McNatt, B. S., *Assistant, Municipal and Sanitary Dairying*
Ray Stillman Hulce, B. S. A., *Assistant, Milk Production*
Oliver Arnold Keller, B. S., *Assistant, Dairy Manufactures*
James Pugh Terry, B. S., *Assistant, Dairy Manufactures*

In Horticulture—

Joseph Cullen Blair, M. S. A., *Chief*
John William Lloyd, M. S. A., *Chief, Olericulture*
Charles Spencer Crandall, M. S., *Chief, Plant Breeding*
Oscar S. Watkins, B. S., *Associate Chemist, Horticulture*
Herman Bernard Dorner, M. S., *Assistant Chief, Floriculture*
Arno Herbert Nehrling, *Assistant, Floriculture*
Ernest Winfield Bailey, M. S., *Assistant, Plant Breeding*
Warren Albert Ruth, A. M., *Assistant Chemist, Horticulture*
Charles Elmer Durst, B. S., *Assistant, Olericulture*
Thomas Bregger, B. S., *Assistant, Plant Breeding*
Lawrence Earl Foglesong, B. S., *Assistant, Pomology*
Alfred Joseph Gunderson, B. S., *Assistant, Pomology*
Harry Warren Anderson, A. M., *Floricultural Pathologist*

In Botany—

Thomas Jonathan Burrill, Ph. D., LL. D., *Chief*
James Theophilus Barrett, Ph. D., *Chief Assistant in Botany*

By an act approved March 2, 1887, the national government appropriated $15,000 per annum to each state for the purpose of establishing and maintaining, in connection with the colleges founded upon the congressional act of 1862, agricultural experiment stations, "to aid in acquiring and diffusing among the people of the United States useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science." Under this provision the *Agricultural Experiment Station* for Illinois was founded in 1888 and placed under the direction of the Trustees of the University, and a part of the University farm, with buildings, was assigned for its use.

The Federal grants to the Station have been supplemented by State appropriations, until its revenues have become the largest of those of similar institutions throughout the world.

Investigations are conducted in the growing and marketing of orchard fruits, the methods of production of meats and of dairy goods, the principles of animal breeding and of nutrition, and the improvement and the economic production of crops. All the principal types of soil of the State are being studied in the laboratory under glass and in the field. A soil survey is in progress which when finished will map and describe the soil of every farm of the State down to an area of ten acres. Twenty to thirty fields and orchards are rented in various portions of the State for the study of local problems, and assistants are constantly on the road for the conduct of experiments or to give instruction to producer or consumer. The results of investigation are published in bulletins, which are issued in editions of 50,000, and distributed free of charge.

Much of this work is of interest to students, especially of graduate grade, and it is freely available for this purpose, so far as is consistent with the interests of the Station.

THE ENGINEERING EXPERIMENT STATION

EDMUND JANES JAMES, Ph. D., LL. D., PRESIDENT

STAFF

WILLIAM FREEMAN MYRICK GOSS, M. S., D. Eng., *Director*

ELIZABETH ANDREWS SWIFT, A. B., *Assistant Editor*

THE HEADS OF THE DEPARTMENTS IN THE COLLEGE OF ENGINEERING.

SPECIAL INVESTIGATORS

HERBERT FISHER MOORE, M. M. E., *Assistant Professor in the department of Theoretical and Applied Mechanics*

DUFF ANDREW ABRAMS, C. E., *Associate in the department of Theoretical and Applied Mechanics.*

DAVID FORD MCFARLAND, A. M., M. S., Ph. D., *First Assistant in the department of Chemistry*

WILLIS APPLEFORD SLATER, M. S., *First Assistant in the department of Theoretical and Applied Mechanics*

TRYGVE D YENSEN, B. S., *Assistant in the department of Electrical Engineering*

JOHN NICHOLAS VEDDER, A. M., *Assistant in the department of Mechanical Engineering*

JEAN PAUL CLAYTON, M. E., *Assistant in the department of Mechanical Engineering*

RESEARCH FELLOWS

CLAUDIUS EDMUND BENNETT, B. Sc., *Electrical Engineering*

FLOYD HAYS MILLARD, B. S., *Theoretical and Applied Mechanics*

HUBERT LEONARD OLIN, A. B., *Chemistry*

WILLARD CLARKE EELLS, B. S., *Theoretical and Applied Mechanics*

HAROLD ALLEN HOUSTON, B. S., *Railway Engineering*

MAYNE SEGUINE MASON, B. S., *Electrical Engineering*

WILLIAM EARL MOSHER, M. E., *Mechanical Engineering*

The Engineering Experiment Station was established by action of the Board of Trustees, December 8, 1903. Its purposes are the stimulation and elevation of engineering education, and the study of problems of special importance to professional engineers and to the manufacturing, railway, mining, and industrial interests of the State and the country. The practical nature of the investigations and their adaptation to present-day needs are assured by means of conferences with committees of the leaders of the State's industrial activities.

The control of the Station is vested in the heads of the several departments of the College of Engineering. These constitute the Station Staff, and, with the Director, determine the character and extent of the investigations to be undertaken.

Up to the present time, fifty-one bulletins of value to engineering science have been published. The experiments have related chiefly to tests of high-speed tool steels; the resistance of tubes to collapse; the holding power of railroad spikes; the effect of scale on heat transmission; study in roof trusses; study of base and bearing plates in columns and beams; stresses in chain links; extensions of the Dewey decimal system of classification; tests of electric lamps; lighting country homes by private electric plants; report on street lighting; high steam pressures in locomotive service; rate of formation of carbon monoxide in gas producers; fuel tests; studies in weathering of coal and the spontaneous combustion of coal; thermal conductivity of fire-clay; heat transmission; freight train resistance; tests of a suction gas producer; tests of concrete; reinforced concrete beams and columns: tests of cast-iron and reinforced concrete culvert pipe; tests of brick columns and terra cotta block columns; tests of timber beams; tests of built-up columns under load; tests to determine the resistance to flow through locomotive water columns; and tests of nickel-steel riveted joints.

THE STATE LABORATORY OF NATURAL HISTORY

EDMUND JANES JAMES, Ph. D., LL. D., PRESIDENT

STAFF

STEPHEN ALFRED FORBES, Ph. D., LL. D., *Director*
CHARLES ARTHUR HART, *Systematic Entomologist*
MARY JANE SNYDER, *Secretary*
ROBERT EARL RICHARDSON, A. M., *Assistant in charge of Biological Station.*

In 1885 the legislature passed a bill transferring the *State Laboratory of Natural History* from the Illinois State Normal University to the University of Illinois. This laboratory was created for the purpose of making a natural history survey of the State, the results of which should be published in a series of bulletins and reports; and for the allied purpose of furnishing specimens illustrative of the flora and fauna of the State to the public schools and to the State museum. For these purposes direct appropriations are made by the legislature from session to session. A large amount of material has been collected, and extended publications have been made in both the forms above mentioned.

THE STATE ENTOMOLOGIST'S OFFICE

STAFF

Stephen Alfred Forbes, Ph. D., LL. D., *State Entomologist*
Charles Arthur Hart, *Systematic Entomologist*
Wesley Pillsbury Flint, *Assistant for Central Illinois*
Lindley Malcolm Smith, B. S., *Assistant for Southern Illinois*
Horace Frederic Hudson, B. S. A., *Field Assistant*
William Chaldee Matthews, *Artist*
David Kent MacMillan, B. S., *Assistant for Northern Illinois*
Walter Sidney Abbott, B. S., *Office Assistant*
Pressley Adams Glenn, A. M., *Chief Horticultural Inspector*

The work of the State Entomologist's Office has been done at the University of Illinois since January, 1885; by legislative enactment in 1899 it was permanently established at the University, the Trustees of which are required by that act to provide for the Entomologist and his assistants such office and laboratory rooms as may be necessary to the performance of their duties.

It is the duty of this officer to investigate all insects dangerous to any valuable property or dangerous to the public health, and to conduct experiments for the control of injuries to person or property by insects, publishing the results of his researches biennially in his official report. He is required also to inspect and certify annually all Illinois nurseries, and to maintain a general supervision of the horticultural property of the State as respects its infestation by dangerous insects and its infection with contagious plant disease.

Twenty-five reports have now been published by the Entomologist, twelve of them since the transfer of his office to the University.

THE STATE WATER SURVEY

EDMUND JANES JAMES, Ph. D., LL. D., PRESIDENT

STAFF

EDWARD BARTOW, Ph. D., *Director*
THOMAS J. BURRILL, Ph. D., LL. D., *Consulting Bacteriologist*
SAMUEL WILSON PARR, M. S., *Consulting Chemist*
ARTHUR NEWELL TALBOT, C. E., *Consulting Engineer*
PAUL HANSEN, B. S., *Engineer*
WILFRED FRANCIS LANGELIER, M. S., *Inspector*
WALTER BERNREUTER, A. B., *Bacteriologist*
HARRY PEACH CORSON, B. S., *Chemist*
RALPH HILSCHER, B. S., *Assistant Engineer*
WALTER G. STROMQUIST, A. B., B. S., *Assistant Engineer*
FRANK C. GEPHART, A. B., *Chemist*

The chemical survey of the waters of the State was begun in the latter part of September, 1895. In 1897 the legislature authorized the continuance of the work and directed the Trustees of the University to establish a chemical and biological survey of the waters of the State. In 1911 the legislature imposed new and additional duties on the State Water Survey and made increased appropriations. The purpose of the Survey is to collect facts and data concerning the water supplies of the State; to make such chemical and biological examination and analyses as shall serve to demonstrate their sanitary condition; to determine standards of purity of drinking waters for the various sections of the State; to inspect water sheds and to make any investigations that will show best how to obtain and conserve an adequate supply of pure water for domestic and manufacturing purposes in every part of the State.

The Survey is a division of the department of Chemistry of the University of Illinois, and special laboratories are equipped in the chemical laboratory for conducting the work. The engineering division is located in University Hall.

THE STATE GEOLOGICAL SURVEY

COMMISSION

Governor Charles S. Deneen, *Chairman*
Professor T. C. Chamberlin, *Vice-Chairman*
President Edmund Janes James, *Secretary*

STAFF

Frank Walbridge DeWolf, *Director,* Urbana

Edward Bartow, *Consulting Chemist in Water Analysis,* University of Illinois, Urbana

Ulysses S. Grant, *Consulting Geologist in Lead and Zinc Studies,* Northwestern University, Evanston

Samuel Wilson Parr, *Consulting Chemist in Coal Investigations,* University of Illinois, Urbana

Charles Wesley Rolfe, *Consulting Geologist in Clay Investigations,* University of Illinois, Urbana

Albert Victor Bleininger, *Consulting Ceramist,* University of Illinois, Urbana

Rollin D. Salisbury, *Consulting Geologist in Preparation of Educational Series,* University of Chicago, Chicago

Fred Hall Kay, *Assistant State Geologist,* Urbana

J. A. Udden, *Geologist,* Augustana College, Rock Island

Thomas Edmund Savage, *Geologist,* University of Illinois, Urbana

Stuart Weller, *Geologist,* University of Chicago, Chicago

Gilbert H. Cady, *Assistant Geologist,* Urbana

Raymond Silliman Blatchley, *Assistant Geologist,* Urbana

E. Wesley Shaw, *Assistant Geologist in Co-operative Surveys,* Urbana, Ill., and Washington, D. C.

Justa M. Lindgren, A. M. *Chemist,* Urbana

William Henry Herron, *Geographer, U. S. and State Geological Surveys,* Urbana, Ill., and Washington, D. C.

Mrs. C. S. Hyatt, *Chief Clerk,* Urbana

The Forty-fourth General Assembly passed an act, in force July 1, 1905, providing for the establishment at the University of Illinois of a Bureau to be known as the *State Geological Survey.* The

Bureau is under the control of a Commission, of which the President of the University is an *ex officio* member.

The purpose of the Survey is primarily the study and exploration of the mineral resources of Illinois. Field parties are organized for the investigation of oil, clay, coal, stone, artesian water, cement materials, and road materials, and for general scientific investigations. The Bureau is charged also with the duty of making a complete topographical and geological survey of the State. The topographical surveys are now being carried on in connection with the United States Geological Survey. These will lead to the publication of a series of bulletins and of maps, eventually covering the entire State.

The Forty-fifth General Assembly further charged the Commission with the duty of making surveys and studies of lands subject to overflow, with a view to their reclamation. Work is now being carried on in co-operation with the Rivers and Lakes Commission, the United States Geological Survey, and the United States Department of Agriculture, along the Sangamon, Kankaskia, Big Muddy, Wabash, Embarrass, Spoon, and Saline rivers.

The laboratory work is done in connection with various departmental laboratories of the University. The equipment includes a working library, maps, and a rapidly growing collection, illustrating the geological and the economical resources of the State. Sixteen bulletins and a large number of maps have been published. Many temporary assistants besides the regular corps are employed each summer.

Under an agreement between the State Geological Survey and the College of Engineering on the one hand, and the United States Bureau of Mines on the other, a branch station has been located at Urbana for the demonstration of modern methods in mine-rescue work, and for the study of mining methods and mine wastes in Illinois. The station is equipped with oxygen helmets, electric safety lamps, and other devices by means of which it is possible to enter mines which may be filled with dangerous gases. The station is maintained, not as a permanent feature, but in an effort to demonstrate to the operators, miners, and mine inspectors the value of the apparatus and to encourage its general installation in the State.

A similar agreement by the above-named parties provides for a co-operative investigation of the Illinois coal mining industry. The Forty-sixth General Assembly made appropriations for the work to continue two years. Further description will be found on page 459.

THE BOARD OF EXAMINERS IN ACCOUNTANCY

EDMUND JANES JAMES, Ph. D., LL. D., PRESIDENT

BOARD OF EXAMINERS

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DAVID KINLEY, *Chairman*
M. H. ROBINSON, *Secretary*
CHARLES MAXWELL MCCONN

By a law passed in 1903 the State University is made an examining body of applicants for certificates as certified public accountants. To carry out the provisions of the law the Board of Trustees have appointed a board of three examiners to prepare, conduct, and grade examinations, and a University committee to conduct the routine work. Under the law one examination must be held each year in May, but examinations have been held also in November or December of each year in which there were a sufficient number of applicants. All the examinations thus far given have been held in the city of Chicago.

Applicants for the certificate of certified public accountants are required to pass examinations in theory of accounts, commercial law, auditing, and practical accounting.

CO-OPERATIVE INVESTIGATION OF ILLINOIS COAL PROBLEMS AND MINE RESCUE STATION

Edmund Janes James, Ph. D., LL. D., President

STAFF

College of Engineering—

William Freeman Myrick Goss, M.S., D.Eng., *Dean*

Harry Harkness Stoek, B. S., E. M., *Professor of Mining Engineering.*

.... *Mining Engineer*

Stephen Osgood Andros, A.B., B.S., E.M., *Field Assistant*

State Geological Survey—

Frank Walbridge DeWolf, B. S., *Director, State Geological Survey*

Samuel W. Parr, M. S., *Consulting Chemist*

Fred Hall Kay, B. S., *Assistant State Geologist*

Gilbert H. Cady, A. B., A. M., *Assistant Geologist*

Justa M. Lindgren, A. M., *Chemist*

Special Geologists and Field Samplers

United States Bureau of Mines—

Robert Y. Williams, A. B., E. M., *Mining Engineer, U. S. Bureau of Mines,* Urbana, Illinois

James M. Webb, *Foreman, Urbana Mine Rescue Station*

John J. Rutledge, E. M., Ph. D., *Mining Engineer, studying the use of explosives*

Nelson Horatio Darton, *Geologist, studying occurrences of gases in coal mines*

Louis A. Scholl, B. S., *Chemist, studying the explosibility of coal dust*

There are many problems in connection with the mining of coal in Illinois that require solution.

The Mining Department of the University of Illinois, the State Geological Survey, and the United States Bureau of Mines are co-operating in the investigation of some of these problems, under authority granted by the Forty-seventh General Assembly, for a period of two years.

This co-operative work is intended to be constructive as well as statistical and it must be based upon accurate data and must take account of all existing conditions. In these investigations definite, practical lessons must be deduced to enable the operators and miners of the State to produce coal more safely and more cheaply and with less waste.

Through this co-operative arrangement a force of trained mining engineers, geologists, and chemists will be placed practically at the disposal of the coal industry of Illinois and it is hoped that the operators, miners, mine inspectors, and all connected with the coal industry will look upon this as a field of their own and will lend to it the hearty and active support necessary to make it a real and lasting success.

A Mine Explosion and Mine Rescue Station is maintained in Urbana by the United States, in co-operation with the State Geological Survey and the College of Engineering of the University of Illinois.

The purpose of this station is to demonstrate to mine operators, mine inspectors, and others, the value of oxygen helmets and resuscitation apparatus in connection with rescue work in mines, as an aid in fighting mine fires, and in the opening of mines which have been sealed on account of fires. The station not only gives demonstration, but undertakes to train men in the use of such apparatus, the service being rendered gratuitously, and, as far as possible, to all interested within the limits of Illinois, Indiana, Michigan, western Kentucky, Iowa, and Missouri.

PART V

LISTS OF STUDENTS, ETC.

(1910-1911-1912)

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PART V. LISTS OF STUDENTS, ETC., 1910-1911-1912

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LIST OF STUDENTS

1910-1911-1912

NOTE.—The change in the time of the publication of the Annual Register from December 15 to March 1 has made necessary the inclusion of the lists of students for two years, viz., 1910-1911 and 1911-1912. The year of attendance is indicated by the dagger (†) for the former and the double dagger (‡) for the latter year. Attendance during the Summer Session is indicated by S in parentheses with the numerals 10 for 1910 and 11 for 1911.

THE GRADUATE SCHOOL

Abbott, Frances Dorcas	†			*Morrison*
A.B., 1910				Agronomy
*Abbott, Theodore Sperry	†			*Saltillo, Mexico*
Min. E., 1897				Civil Engineering
Abe, Mikishi		‡		*Ichinoseki, Japan*
B.C.E. (*Tohoku Imp. Univ.*) 1905				Civil Engineering
Ackert, James Edward	†	‡	(S10)	*Dixon*
A.B., 1909				Zoology
Adler, Frederick Henry	†	‡		*Chicago*
A.B. (*Ohio State Univ.*) 1909				Fellow in German
Akin, Ida Emily	†		(S11)	*Bloomington, Ind.*
A.B. (*Indiana Univ.*) 1908				Botany
Allen, Mary Stickney		‡		*Milwaukee, Wis.*
B.S. (*Univ. Chicago*) 1909				Zoology
Allen, Wynfred Emory	†			*Newberg, Ore.*
B.L. (*Earlham Coll.*) 1898				
A.M. (*Lawrence Univ.*) 1904				Zoology
Allison, Harry Orson		‡		*Alpha*
B.S., 1906				Economics
Anderson, Arvid Robert		‡		*Chicago*
B.S., 1911				Electrical Engineering
Anderson, Charles Thomas		‡		*Taylorville*
B.S., 1911				Electrical Engineering
Anderson, Clair Elmore		‡		*Summer Hill*
B.S., 1911				Electrical Engineering
Anderson, Harry Warren		‡		*Gadoga, Ind.*
A.B. (*Wabash Coll.*) 1907; A.M., 1910				Plant Pathology
Anderson, Samuel Herbert	†	‡	(S11)	*Cassopolis, Mich.*
A.B. (*Park Coll.*) 1902; A.M., 1903				Fellow in Physics
Anthony, Mamie Elizabeth	†			*Greenville*
A.B. (*Greenville Coll.*) 1907				English
Arozian, Ohannes Aaron		‡		*Lowell, Mass.*
B.S. (*New Hampshire Coll.*) 1911				Physical Chemistry
Austin, Clem C.		‡		*Chicago*
B.S., 1907				Mechanical Engineering
Austin, Vida Almenda	†			*Woodstock*
B.S. (*Northwestern Univ.*) 1908				Scholar in Education
Bagg, Rufus Mather, Jr.	†			*Urbana*
A.B. (*Amherst Coll.*) 1891				
Ph.D. (*Johns Hopkins Univ.*) 1895				Civil Engineering

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* In absentia.

Bailey, Ernest Winfield M.S.	†		(S10)	*Worcester, Mass.* Pomology
Bailey, Henry D. B.S. *(Mass. Agric. Coll.)* 1908	†			*Worcester, Mass.* Thremmatology
Bailey, Margaret Lewis A.B. *(Cornell Univ.)* 1903 A.M., 1910	†	‡		*Wellsboro, Pa.* Fellow in German
Baker, Clarence James A.B. *(Univ. Denver)* 1907	†	‡	(S10-11)	*University Park, Col.* Chemistry
Baldwin, George Howard B.S. *(Rutgers Coll.)* 1911		‡		*Brooklyn, N. Y.* Ceramics
Baldwin, Jessie A.B., 1908	†	‡	(S11)	*Ottawa* Botany
Barger, Panzy Louise B.S. *(Tarkio Coll.)* 1911		‡		*Tarkio, Mo.* Scholar in Zoology
Barnes, Olin James B.S. *(Greenville Coll.)* 1911		‡		*Greenville* Scholar in Psychology
Barnhart, Charles Anthony A.B., 1905	†	‡	(S10)	*Urbana* Mathematics
Barnhart, Jesse Melangthon B.S., 1906	†	‡		*Urbana* Chemistry
Barrett, Edward Ernest B.S., 1893		‡		*Chicago* Civil Engineering
*Barter, Hendryx Harold B.S., 1904	†			*Reno, Nev.* Mechanical Engineering
Barto, Anna Webb A.B., 1906	†			*Champaign* Botany
Barto, Philip Stephan A.B., 1906; A.M., 1910	†	‡		*Champaign* German
*Bates, John Schuyler B.S., 1902	†			*Monmouth* Civil Engineering
Bates, Stuart Jeffrey A.B. *(McMaster Univ.)* 1907; A.M., 1909	†	‡		*Toronto, Canada* Fellow in Chemistry
Baxter, Florence Gabrielle A.B., 1911		‡		*Nauvoo* Scholar in Mathematics
Beattie, George Wilson A.B. *(Ripon Coll.)* 1901			(S10-11)	*South Hartford, N. Y.* Education
Bell, James Edgar B.S. *(Univ. Chicago)* 1905		‡		*Urbana* Chemistry
Bennett, Claudius Edmund B.S. *(Univ. Nebraska)* 1909	†	‡	(S11)	*Urbana* Fellow in Electrical Eng.
Benson, Susie True A.B. *(Missouri Wesleyan Coll.)* 1909	†			*LaClede, Missouri* English
Bergeim, Olaf Ph.G. *(S. Dakota State Coll. Agr. and Mech. Arts.)* 1906; B.S., 1908	†	‡		*Brookings, So. Dak.* Chemistry
Bergman, Carl Joseph A.B. *(Augustana Coll.)* 1910	†			*Urbana* Scholar in German
Berneuter, Walter B.S. *(Central Wesleyan Coll.)* 1906 A.B., 1910	†	‡		*Mt. Olive* Chemistry
Black, Charles Day B.S., 1911		‡		*Plymouth* Electrical Engineering
Blatherwick, Norman Robert B.S. *(Grinnell Coll.)* 1909	†		(S11)	*Grinnell, Ia.* Chemistry
Bole, Simeon James	†	‡		*Champaign*

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* In absentia.

A.B. *(Univ. Michigan)* 1906				Education
Boomer, Simeon E.	†		(S10)	*Champaign*
A.B., 1909				Physics
Boomsliter, George Paul	†	‡	(S11)	*Grand Haven, Mich.*
B.S. *(Michigan Agric. Coll.)* 1906				Civil Engineering
Bornmann, John Henry	†	‡		*Quincy*
B.S., 1910				Chemistry
Bose, Pavitra Kumar	†			*Bengal, India*
A.B., 1911				Chemistry
Bowler, Alida Cynthia	†			*Alton*
A.B., 1910				Scholar in Psychology
Boyce, Arthur Clifton	†			*Tuscola*
Ph.B. *(Lafayette Coll.)* 1907				Education
*Boyd, Edward Parkman	†			*Washington, D. C.*
B.S., 1901				Architecture
Brand, Royden Earl	†	‡		*Danville*
B.S., 1909				Dairy Husbandry
Briscoe, Charles Francis	†	‡		*Urbana*
A.B. *(Indiana Univ.)* 1899				
A.M., 1904				Bacteriology
Brooks, Verna		‡		*Macon*
A.B., 1909				Zoology
Brown, Elmer Jay	†			*Urbana*
B.S. *(Greenville Coll.)* 1908				Fellow in Economics
Brown, Prentiss Marsh		‡		*St. Ignace, Mich.*
A.B. *(Albion Coll.)* 1911				Scholar in Economics
Brush, Elizabeth Parnham	†	‡		*Boulder, Col.*
A.B. *(Smith Coll.)* 1909				History
Bryant, John Myron	†			*Urbana*
B.S. *(Worcester Pol. Inst.)* 1901				
E.E., 1909				Electrical Engineering
Buchen, Walther Albert		‡		*Urbana*
B.A. *(Univ. Wisconsin)* 1911				English
Burd, Henry Alfred	†	‡		*Armstrong*
B.S. *(Illinois Wesleyan Univ.)* 1910				
A.M.,1911				Scholar in English
*Burdick, Charles Baker	†	‡		*Chicago*
B.S., 1895				Civil Engineering
Burgener, Claude Emanuel	†	‡		*Moweaqua*
A.B., 1910				Fellow in Psychology
Burgess, Paul Steere	†	‡		*Pawtucket, R. I.*
B.S. *(Rhode Island State Coll.)*1910				Bacteriology
Burke, Charles Eldrid	†		(S10)	*Brantford, Ont.*
A.B. *(McMaster Univ.)* 1907				Fellow in Organic Chem.
Burns, Josephine Elizabeth	†			*Macomb*
A.B., 1909				Scholar in Mathematics
Burns, Ruth Mitchell		‡		*Macomb*
A.B., 1911				Scholar in English
Burres, Opal	†	‡	(S10)	*Urbana*
A.B., 1908				Fellow in Zoology
Buyers, Archie Stanton	†	‡		*Sterling*
B.S., 1908				Mechanical Engineering
*Byers, Frank Milton	†			*Charleston*
B.S., 1908				Agronomy
Cady, Gilbert Haven		‡		*Urbana*
A.B. *(Northwestern Univ.)* 1905; A.M., 1911				Geology

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* In absentia.

*Carmichael, Berton Eugene B.S., 1905	†	‡		*Wooster, O.* Animal Husbandry
*Carr, Maurice LeRoy B.S., 1905	†			*Avon* Electrical Engineering
Carroll, Ernest B.S. *(Agric. Coll. Utah)* 1909	†		(S10)	*Orderville, U.* Fellow in Animal Husb'y
Carscallen, George Ernest A.B., 1906	†	‡	(S11)	*Frankfort, Ind.* Mathematics
Challand, Grace A.B., 1911	†			*Shabbona* History
Chapin, Mae A.B., 1908	†			*Champaign* English
§Charles, Fred Lemar B.S. *(Univ. Chicago)* 1894; M.S., 1895	†			*Urbana* Zoology
*Chester, John Needels A.B., 1891	†			*Pittsburgh, Pa.* Mechanical Engineering
Christopher, Carl B.S., 1909			(S10)	*Auburn* Animal Husbandry
Clapp, Frank Leslie B.S. *(Lincoln Coll.)* 1911		‡		*Lincoln* Scholar in Education
Clark, Alice Virginia Broaddus B.S., 1891	†			*Urbana* English
Clark, Charles Richard B.S., 1898	†			*Champaign* Architecture
Clark, Darwin Orlando B.A. *(Drury Coll.)* 1896	†	‡		*Carthage, Mo.* Fellow in History
Clayton, Jean Paul B.Eng. *(Tulane Univ.)* 1909	†			*New Orleans, La.* Mechanical Engineering
Collier, John Samuel B.S. *(DePauw Univ.)* 1904 M.S. *(Univ. Chicago)* 1910		‡		*Champaign* Botany
Collins, Edgar Francis B.S., 1898		‡		*Schenectady, N. Y.* Electrical Engineering
*Conard, Philip Arthur A.B., 1901	†	‡		*Buenos Aires, Arg.* History
Cook, William Adelbert A.B., 1902	†			*Urbana* Education
Cornelius, David William A.B. *(DePauw Univ.)* 1906	†	‡		*Linton, Ind.* Fellow in Physics
Corrubia, Angelo Benedetto Marino B.S. *(Washington Univ., St. Louis)* 1911		‡		*Barile, Italy* Architecture
Corson, Harry Peach B.S. *(New Hampshire Coll.)* 1910	†	‡		*Laconia, N. H.* Chemistry
Cort, William Walter A.B. *(Colorado Coll.)* 1909	†	‡	(S10)	*Colorado Springs, Col.* Zoology
Coyle, James Perry A.B. *(Lake Forest Coll.)* 1910	†			*Logansport, Ind.* Scholar in Physics
Crandall, Elbert William Ph.B. *(Hamline Univ.)* 1908	†			*Bushnell* Zoology
Crandall, William Truman B.S. *(Milton Coll.)* 1906 B.S.A. *(Univ. Wisconsin)* 1909		‡		*Urbana* Dairy Husbandry
Cravens, Lucile Starr A.B. *(Lombard Coll.)* 1909	†			*Kansas City, Mo.* Scholar in Classics

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* In absentia.

§ Deceased.

Cunningham, Harrison Edward A.B. *(Univ. Vermont)* 1904		‡		*Burlington, Vt.* English
Curtis, Florence Rising A.B., B.L.S., 1911		‡		*Ogdensburg, N. Y.* Sociology
*Cutler, Stanley Gardner B.S., 1908	†			*Chicago* Civil Engineering
Davis, Ida Belle A.B., 1911		‡		*Champaign* English
Davis, James Austin A.M. *(Ewing Coll.)* 1908			(S11)	*Bridgeport* Education
Davis, Lloyd Hayes A.B. *(Wabash Coll.)* 1911		‡		*Crawfordsville, Ind.* Chemistry
Deffendall, Prentice Hoover A.B. *(DePauw Univ.)* 1906			(S10-11)	*Taylorville* English
Denby, Flora Alice Ph.B. *(Blackburn Coll.)* 1911		‡		*Carlinville* Scholar in English
Dent, John Adlum M.E. *(Lehigh Univ.)* 1905		‡		*Champaign* Mechanical Engineering
Denton, William Wells A.B. *(Univ. Mich.)* 1907	†	‡		*Detroit, Mich.* Fellow in Mathematics
DeVries, Louis Ph.B. *(Central Wesleyan Coll.)*1907 A.M. *(Northwestern Univ.)* 1908	†	‡		*St. Louis, Mo.* German Literature
Dickerson, Ira Wilmer B.S., 1909		‡		*Newton* Electrical Engineering
Dietrich, William B.S.A. *(Univ. Wisconsin)* 1899 M.S., 1906	†	‡		*Champaign* Animal Husbandry
Ditchey, Jay Karl A.B. *(Univ. Michigan)* 1911		‡		*Cleveland, O.* French
Doan, Frances Elizabeth A.B. *(Butler Coll.)* 1907	†			*Westfield, Ind.* Scholar in English
Douthitt, Herman A.B. *(Univ. of Okla.)* 1910	†	‡		*Sulphur, Okla.* Scholar in Zoology
Downing, Inez Aleta A.B. *(Drake Univ.)* 1911		‡		*Des Moines, Ia.* Scholar in History
Dowrie, George William A.B. *(Lake Forest)* 1901 A.M. *(Univ. Chicago)* 1907	†	‡		*Pontiac* Fellow in Economics
*DuBois, Alexander Dawes B.S., 1899	†	‡		*Ithaca, N. Y.* Electrical Engineering
Dunn, Harold Houghton B.S., 1908	†			*Moline* Fellow in Railway Elec. Engineering
Durst, Charles Elmer B.S., 1909	†	‡		*Quincy* Horticulture
Dutt, Mati Lal B.S., 1911		‡		*Calcutta, India* Electrical Engineering
Earnest, William Watson A.B. *(Valparaiso Univ.)* 1886 A.B.,1908	†	‡		*Champaign* Psychology
Eells, Willard Clarke B.S., 1911		‡		*Mazon* Fellow in Theoretical and Applied Mechanics
Egan, James Everett A.B. *(DePauw Univ.)* 1908	†	‡	(S10)	*Frankfort, Ind.* Fellow in Inorganic Chem.
Ekblaw, Karl John Theodore B.S., 1909	†	‡		*Rantoul* Architecture

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* In absentia.

Ekblaw, Walter Elmer	†	‡	(S10)	*Rantoul*
B.S., 1910				Geology
Elmer, Manuel Conrad		‡		*Naperville*
B.S. *(Northwestern Coll.)* 1911				Scholar in Sociology
Enger, Melvin Lorenius	†	‡		*Urbana*
B.S., 1906				Civil Engineering
*Engstrom, Roy Victor	†			*St. Paul, Minn.*
B.S., 1904				Civil Engineering
Ensign, Newton Edward		‡		*Urbana*
A.B. *(McKendree Coll.)* 1905				
A.B. *(Oxford Univ.)* 1908				
B.S., 1911				Engineering Mechanics
Ervin, John Frank		‡		*Moline*
B.S.,1907				Mechanical Engineering
*Faber, Daniel Cleveland	†			*Milwaukee, Wis.*
B.S., 1908				Electrical Engineering
Fairhall, Lawrence Turner		‡		*Danville*
B.S., 1911				Physiological Chemistry
Farwell, Stanley Prince	†	‡		*Oklahoma City, Okla.*
B.S., 1907				Electrical Engineering
Fauquher, Silas Edgar		‡		*Evansville, Ind.*
B.S. *(Earlham Coll.)* 1909				Chemistry
Ferguson, Irwin Glenn	†			*Urbana*
B.S., 1910				Reinforced Concrete Design
Ferris, Charles F		‡		*Danville*
B.S., 1911				Scholar in Agronomy
Fischer, Louis Engelmann		‡		*St. Louis, Mo.*
B.S., 1898				Civil Engineering
Fisher, Charles Albert	†			*Wheaton*
A.B. *(Wheaton Coll.)* 1905				Mathematics
Fisk, Ira William	†	‡		*Urbana*
B.S., 1909				Electrical Engineering
*Fiske, Clarence William	†			*Moline*
B.S., 1903				Mechanical Engineering
Flaningan, Miletus Lafayette		‡		*Urbana*
B.S. *(Northwestern Univ.)* 1904				Education
Fleming, Sarah Adelaide		‡	(S11)	*Urbana*
A.B. *(Greenville Coll.)* 1907				German
Fleming, Virgil R		‡		*Champaign*
B.S., 1905				Theoretical and Applied Mechanics
Flocken, Ira Graessle	†			*Urbana*
A.B. *(Ohio State Univ.)* 1909				
A.M. *(Cornell Univ.)* 1910				Economics
Flynn, Con	†			*Galesburg*
A.B. *(Knox Coll.)* 1910				Scholar in History
Forrey, Edna Laura		‡		*Wawaka, Ind.*
A.B. *(Heidelberg Univ., Tiffin, O.)* 1906				
A.M. *(Miami Univ.)* 1909				German Literature
Forsyth, Chester Hume	†			*Trafalgar, Ind.*
A.B. *(Butler Coll.)* 1906				Mathematics
Foster, Lawrence Fleming		‡		*Albion, Mich.*
A.B. *(Albion Coll.)* 1910				Physiological Chemistry
*Fowler, Chester Charles	†	‡		*Ames, Ia.*
B.S., 1909				Chemistry

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*In absentia.

Freeman, Clytus Allen A.B. *(Albion Coll.)* 1909 A.M., 1910	†			*Urbana* Scholar in Economics
Fujimura, Gikan B.S., 1911	†			*Iwateken, Japan* Botany
Fulton, Clarence Edward B.S. *(Rutgers Coll.)* 1911		‡		*New Brunswick, N. J.* Ceramics
Gage, Ida B.L. *(Milwaukee-Downer Coll.)* 1907	†			*Seneca* French
Gaines, Walter Lee B.S., 1908	†			*Crete* Dairy Husbandry
Gardner, Clarence Oran A.B., 1909	†			*Curtis, Neb.* Political Science
*Garrison, Lloyd B.S., 1907	†			*Ogden, Utah* Electrical Engineering
Gates, Frank Caleb A.B., 1910	†		(S10)	*Chicago* Zoology
Gay, George Inness B.S. *(Univ. Colorado)* 1909	†			*Mt. Vernon, N. Y.* Civil Engineering
Gentry, Cyrus Stokes A.B. *(McKendree Coll.)* 1911		‡		*Mascoutah* Scholar in Classics
Gernert, Walter Byron B.S. *(Kansas State Agr. Coll.)* 1907	†			*McPherson, Kan.* Fellow in Agronomy
Geyer, Denton Loring A.B. *(Univ. Wisconsin)* 1910		‡		*Madison, Wis.* Fellow in Philosophy
Glasgow, Grace		‡		*Tennessee* Bacteriology
Glasgow, Hugh A.B., 1908	†	‡		*Tennessee* Fellow in Entomology
Glasgow, Robert Douglas A.B., 1908	†	‡		*Tennessee* Fellow in Entomology
Glasgow, Ruth		‡		*Tennessee* Bacteriology
Goldmerstein, Leon A.B. *(St. Petersburg Univ.)* 1899; A.B., Law, 1900	†			*Urbana* Economics
Gonnerman, Harrison Frederick B.S., 1908	†	‡		*Dixon* Theoretical and Applied Mechanics
Good, John Walter A.B. *(Erskine Coll.)* 1902; A.M., 1904; B.D., 1905	†	‡		*Fayetteville, Tenn.* Fellow in English
Gordon, Hugh Byron A.B. *(Miami Univ.)* 1908 M.S., 1910	†	‡		*Georgetown, O.* Chemistry
Gouwens, Cornelius B.S. *(Northwestern Univ.)* 1910	†			*South Holland* Scholar in Mathematics
Grannis, Frank Cravens B.S., 1910	†			*Urbana* Agronomy
Gray, Cora Emiline B.S. *(Univ. Chicago)* 1906; M.S., 1909		‡		*West Palm Beach, Fla.* Economics
Gray, Fred Jay B.S., 1911		‡		*Ottawa* Electrical Engineering
Green, Bessie Rose A.M., 1910	†	‡	(S10)	*Ivesdale* Zoology

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* In absentia.

Greene, James Henry			(S11)	*Garrett, Ind.*
B.S., 1908				Animal Husbandry
Gresham, Nina Vivien	†			*Champaign*
A.B., 1910				Scholar in Psychology
Grigsby, Owen Eugene		‡		*Champaign*
B.S., 1911				Electrical Engineering
Gulley, Laurence Richard		‡		*Urbana*
B.S., 1910				Electrical Engineering
Gustafson, Axel Ferdinand	†	‡		*Aledo*
B.S., 1907				Agronomy
Gutberlet, John Earl	†	‡		*Hardy, Neb.*
A.B. (*Bethany Coll.*)				Zoology
Hadley, Harry Fielding		‡	(S11)	*Urbana*
A.B. (*James Milliken Univ.*) 1911				Industrial Chemistry
Hague, Stella May	†			*Auburn, Ind.*
A.B. (*Indiana Univ.*) 1893				Botany
Haig, Robert Murray	†			*Columbus, O.*
A.B. (*Ohio Wesleyan Univ.*) 1908				
A.M., 1909				Economics
Hall, Louis Dixon	†	‡		*Champaign*
B.S., 1899				Economics
Hallett, Margaret Hope	†			*Springfield*
A.B., 1910				Scholar in English
Handlin, William Clyde			(S11)	*Lake Fork*
A.B, 1909				Science
*Hanzlik, John Paul	†			*Cedar Rapids, Ia.*
Ph.G. (*Univ. Iowa*) 1902; Ph.C., 1908; A.B., 1908				Pharmacology
Harbarger, Sada Annis		‡		*Columbus, O.*
A.B. (*Ohio State Univ.*) 1906; A.M., 1909				English
Hardin, Hazel		‡		*Knightstown, Ind.*
A.B. (*DePauw Univ.*) 1908				Classics
Hargis, William Iverson, Jr.	†			*University, Miss.*
B.E. (*Univ. Mississippi*) 1907				Scholar in Theoretical and Applied Mechanics
Hartmann, Miner Louis		‡		*Hutchinson, Kan.*
B.S. (*Univ. Arizona*) 1911				Physical Chemistry
Hatch, Elizabeth Mary		‡		*Chicago*
				Psychology
Hayes, Edward Cary	†			*Urbana*
A.B. (*Bates Coll.*) 1887				
A.M. (*Univ. Chicago*) 1890				
Ph.D. (*Univ. Berlin*) 1902				History
Hays, Carl J	†			*Champaign*
B.S., 1901				Civil Engineering
Heeren, Harry Ewald		‡		*Bethalto*
A.B. (*Shurtleff Coll.*) 1911				Political Science
Held, Felix Emil		‡		*Emporia, Kan.*
A.B. (*Emporia Coll.*) 1902; A.M., 1908				German Literature
Hendrix, William Samuel	†	‡		*Sylacargo, Ala.*
A.B. (*Harvard Coll.*) 1907; A.M., 1909				
A.M. (*Cornell Univ.*) 1910				Spanish
Henion, Lora Atkins	†	‡		*Urbana*
A.B., 1907; A.M., 1911				English
Hepburn, Mary Mann	†			*Urbana*
A.B., 1909; B.Mus., 1910				Music

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* In absentia.

Hepburn, Nelson William B.S., 1907	†			*Urbana* Dairy Husbandry
Hight, Eugene Stuart B.S., 1910	†			*Green Valley* Scholar in Electrical Engineering
Hill, Alva Jay A.B. *(Ohio State Univ.)* 1906		‡		*Urbana* Economics
Hirsch, Edwin Fred A.B. *(Northwestern Univ.)* 1910	†			*Wauwatosa, Wis.* Scholar in Zoology
Hixson, Arthur Warren A.B. *(Kansas Univ.)* 1907			(S11)	*Iowa City, Ia.* Chemistry
Hobble, Arthur Casson B.S., 1901	†			*Rushville* Electrical Engineering
Hoffman, Paul Alexander B.S., 1909	†	‡		*Chicago* Fellow in Animal Husbandry
Holland, Nellie Dower A.B. *(Lake Forest Coll.)* 1910		‡		*Topeka, Kan.* Scholar in History
*Hollister, Vernon Leo B.S., 1907	†			*Lincoln, Neb.* Electrical Engineering
Holmer, Emma A.B. *(Knox Coll.)* 1908	†			*Alexis* English
Hood, Joseph Douglas A.B., 1910	†			*Chicago* Scholar in Entomology
Hoover, Ada Viola B.S. *(Carthage Coll.)* 1911		‡		*Muscatine, Ia.* Scholar in Classics
Hopkins, Charles Albert B.S., 1901	†			*Milwaukee, Wis.* Mechanical Engineering
Hornbeak, John Wesley B.S. *(Illinois Wesleyan Univ.)* 1906; A.M., 1909		‡		*Perry* Physics
Houchens, Josie Batcheller A.B. *(Tulane Univ.)* 1903; B.L.S., 1905	†	‡		*Urbana* Sociology
Houston, Harold Allen M.E. *(Purdue Univ.)* 1911		‡		*Chicago* Fellow in Railway Engineering
Howard, Delton Thomas A.B. *(Lawrence Coll.)* 1910	†	‡		*Appleton, Wis.* Scholar in Philosophy
Howe, Mary Blanche Ph.B. *(Ohio Univ.)* 1906	†		(S11)	*Athens, O.* Scholar in Zoology
*Howell, Leslie Dillon B.S., 1907	†			*Tacoma, Wash.* Architecture
*Hu, Wenfu Yiko A.B. *(Imperial Examination)* 1899 LL.B., 1909	†			*Shanghai, China* Political Science
Hubbard, George Wallace B.S., 1899		‡		*Chicago* Mechanical Engineering
Huenink, Henry Lawrence A.B. *(Carroll Coll.)* 1911		‡		*Cedar Grove, Wis.* Electrical Chemistry
Huff, James Orton A.B., 1911		‡		*Urbana* English
Huffman, Eva Ellen A.B., 1908			(S10)	*Charleston* Zoology
Hulce, Ray Stillman B.S.A. *(Univ. Wisconsin)* 1911		‡		*Whitewater, Wis.* Dairy Husbandry
Hull, Anna Leo A.B., 1910			(S11)	*Urbana* History

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* In absentia.

Hursh, Ralph Kent B.S., 1908		‡		*Champaign* Ceramics
Hutton, Joseph Gladden S.B. *(Univ. Chicago)* 1908	†		(S10)	*Urbana* Geology
Hyslop, William Henry A.B. *(Knox Coll.)* 1908	†		(S10)	*Galesburg* Physics
Ingalls, Rosco Chandler A.B. *(McPherson Coll.)* 1909 A.M. *(Univ. Kansas)*		‡		*Galva, Kan.* History
Jacobs, Cora Anna A.M., 1909			(S10)	*Sterling* Botany
Jahr, Marion Edward B.S. *(Univ. Wisconsin)* 1905		‡		*Neillsville, Wis.* Agronomy
James, Leonard Vaughan B.S., 1906	†	‡		*Amboy* Electrical Engineering
Jasper, Thomas McLean B.S., 1911	†			*Cornwall, England* Civil Engineering
Jensen, J. Norman B.S., 1906		‡		*Chicago* Civil Engineering
Jensen, Katherine B.S. *(N. Dakota Agr. Coll.)* 1904		‡		*Buffalo, N. Dak.* Household Science
Jervis, Katherine Belle A.B., 1907	†		(S10)	*Champaign* English
Jones, Lester Seaman			(S11)	*Oblong* Education
Jones, Lloyd Theodore A.B. *(Lake Forest Coll.)* 1909	†	‡		*Raymond* Physics
Joseph, Walter Edward B.S. *(Purdue Univ.)* 1907	†	‡	(S10)	*Hayden, Ind.* Fellow in Animal Husbandry
Kamm, Oliver B.S., 1911		‡		*Highland* Analytical Chemistry
Keene, Edward Spencer B.S., 1890		‡		*Agricultural College, N.D.* Mechanical Engineering
Keeton, Robert Wood A.B. *(Univ. Chicago)* 1906		‡		*Meridian, Miss.* Physiology
Kelley, James Herbert B.S. *(Cornell Coll.)* 1900 A.M. *(Harvard Univ.)* 1908	†			*Urbana* Education
Kelley, Truman Lee A.B., 1909	†		(S10)	*Urbana* Psychology
Kelly, Christmas B.S., 1911	†			*Chicago* Household Science
Kelso, Genevieve A.B. *(Ohio State Univ.)* 1910	†			*Escondido, Cal.* History
Kelso, Ruth A.B., 1908	†			*Escondido, Cal.* English
Kemp, Jacob Garrett A.B., 1906	†	‡		*Urbana* Fellow in Physics
Kiernan, Arthur Ph.B. *(Brown Univ.)* 1911		‡		*Providence, R. I.* Mathematics
Kilburn, Frances Marjorie A.B. *(Rockford Coll.)* 1911		‡		*Chicago* Scholar in English
Kingsbury, Howard Baker A.B., 1909	†		(S11)	*Champaign* Mathematics
Kingsbury, Jesse Anthony A.B. *(Cornell Univ.)* 1911		‡		*Little Falls, N. Y.* Organic Chemistry
Kircher, Edward August Theodore A.B., 1911		‡		*Chicago* Scholar in Mathematics

Kirk, Donald Dee		‡		*Kankakee*
A.B., 1911				Economics
Kirk, James Thornton			(S10)	*Toulon*
A.B. (*Eureka Coll.*) 1900				Education
Knight, Mabel Alma		‡		*Champaign*
A.B., 1911				Botany
Lake, Elmer S	†	‡		*Cantrall*
A.B., 1907				
A.M. (*Univ. Michigan*) 1909				Latin
Lang, LeRoy	†			*Monticello, Ia.*
B.S., 1909				Dairy Husbandry
Langelier, Wilfred Francis				*Nashua, N. H.*
B.S. (*New Hampshire State Coll.*) 1909				Chemistry
Larson, Martha Serena			(S10-11)	*Morris*
A.B., 1910				Latin
LaRue, George Roger	†		(S10)	*Lincoln, Neb.*
B.S. (*Doane Coll.*) 1907				
A.M. (*Univ. Nebraska*) 1909				Zoology
Latzer, Lenore Lydia	†			*Highland*
A.B., 1906				
M.S. (*Univ. Michigan*) 1907				Bacteriology
Lauter, Carl John		‡		*Quincy*
B.S., 1911				Chemistry
Lawson, Edward Lotan	†		(S10)	*Moweaqua*
A.B. (*Union Christian Coll.*) 1901				
Ph.B., 1902				Education
Lehenbauer, Philip Augustus	†	‡	(S10-11)	*Hannibal, Mo.*
A.B. (*Westminster Coll.*) 1907				
B.S. (*James Millikin Univ.*) 1908				Plant Physiology
Lewis, Julian Herman		‡		*Cairo*
A.B., 1911				Physiology
Lillehei, Ingebright L		‡		*Minneapolis, Minn.*
A.B. (*Univ. Minnesota*) 1908; A.M., 1909				French
Little, LeRoy Lewis	†		(S11)	*Champaign*
A.B., 1911				English
Littler, Sherman Henry		‡		*Mackinaw*
B.S., 1911				Scholar in Education
Littleton, Leonidas Rosser	†	‡		*Montgomery, Ala.*
A.B. (*Southern Univ.*) 1907				
A.M. (*Tulane Univ.*) 1910				Fellow in Chemistry
Loomis, Nellie Alice			(S10)	*Chicago*
A.B., 1907				Zoology
Lord, Arthur Russell	†			*Urbana*
B.S. (*Univ. Maine*) 1907				Fellow in Theoretical and Applied Mechanics
Ludwig, Edward Roy		‡		*Champaign*
B.S., 1911				Scholar in Architecture
Lund, James Charles	†			*Maple Plain, Minn.*
B.S, 1909				Mechanical Engineering
Lussky, Alfred Edwin	†			*Ottawa*
(Diploma *Concordia Theo. Coll.*) 1910				German
*McConney, Robert Bonner	†			*Denver, Col.*
B.S., 1899				Mechanical Engineering

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* In absentia.

McDonald, Elmer Massey B.S., 1910	†			*Lerna* Agronomy
McDowell, Samuel Kline B.S. *(TriSiate Coll.)* 1909			(S11)	*Hoopeston* Education
McHarry, Jessie A.B., 1911		‡		*Rantoul* Scholar in History
MacInnes, Duncan Arthur B.S. *(Univ. Utah)* 1907	†			*American Falls, Idaho* Fellow in Chemistry
McKinney, Mary Eula A.B. *(Ohio State Univ.)* 1906		‡		*Montclair, N. J.* English
McMillen, Sarah Grace A.B., 1909	†		(S10)	*Macomb* Psychology
McRobie, Jessie A.B., 1911		‡		*Montclair, N. J.* Sociology
McWilliams, Edward, 2nd B.S. *(Northwestern Univ.)* 1910	†			*Dwight* Chemistry
Mandel, Elias B.S., 1912		‡		*Chicago* Chemistry
Mantz, Harold Elmer A.B. *(Univ. Michigan)* 1910	†			*Lodi, Ohio* French
Marden, John Wesley B.S. *(Illinois Wesleyan Univ.)* 1909			(S10)	*Bloomington* Chemistry
Martin, Oscar Ross A.B. *(Central Wesleyan Coll.)* 1907	†	‡		*Bunker Hill* Economics
Martz, Robert John B.S. *(Franklin Coll.)* 1910		‡		*Fort Wayne, Ind.* Chemistry
Mason, Mayne Seguine B.S., 1911		‡		*Buda* Fellow in Electrical Engineering
Massey, Esther A.B., 1905		‡	(S11)	*Jacksonville* German
Mathewson, Louis Clark A.B. *(Albion Coll.)* 1910; A.M., 1911		‡		*Mancelona, Mich.* Fellow in Mathematics
Melvin, Frank Edgar A.B. *(Univ. Kansas)* 1906 A.M., 1909	†	‡		*Iola, Kan.* History
Merrills, Frederick Emerson A.B. *(Harvard Univ.)* 1911		‡		*Belleville* Scholar in Law
Merry, Glenn Newton A.B. *(Northwestern Univ.)* 1910		‡		*Urbana* History
*Mesiroff, Joseph Albert B.S., 1899	†			*Milwaukee, Wis.* Mechanical Engineering
Messenger, Ruth Ellis A.B. *(New York City Normal Col.)* 1905	†			*New York City* Latin
*Metzger, Louis Charles Frederick B.S., 1905	†			*St. Louis, Mo.* Civil Engineering
Millar, Charles Ernest B.S., 1909			(S10)	*Mattoon* Chemistry
Millard, Earl Bowman A.B. *(Univ. Colorado)* 1910 A.M. *(Univ. Wisconsin)* 1911		‡		*Boulder, Colo.* Physical Chemistry
Millard, Floyd Hays B.S. *(Univ. Colorado)* 1910	†	‡		*Boulder, Colo.* Fellow in Theoretical and Applied Mechanics

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* In absentia.

Miller, Roland Norton A.B. (*Lawrence Univ.*) 1911		‡		*Appleton, Wis.* Organic Chemistry
Miller, Wilford Stanton A.B. (*Indiana Univ.*) 1910; A.M., 1911		‡		*Champaign* Psychology
Minnick, John Harrison A.B. (*Indiana Univ.*) 1906; A.M., 1908	†		(S11)	*Urbana* Mathematics
Mitchell, Harold Hanson A.B., 1909		‡		*Urbana* Chemistry
Mitchell, John Harris B.S. (*Alabama Pol. Inst.*) 1903 M.S., 1904	†		(S11)	*Clemson College, S. C.* Chemistry
Mohr, Esther Cook A.B., 1906 A.M. (*Univ. Wisconsin*) 1910	†			*Chicago* Scholar in History
Montooth, Charles Stuart A.B., 1905			(S11)	*Toulon* History
Morehouse, Frances Milton A.B., 1910	†			*Toulon* History
*Morgan, Edgar A A.B., 1906	†	‡		*Jewett* Education
Morris, Mary Loduska A.B., 1909	†			*Oskaloosa, Ia.* Psychology
Mosher, William Earl Ph.B. (*Syracuse Univ.*) 1909; M.E., 1911		‡		*Mechanicsville, N. Y.* Fellow in Mechanical Engineering
Muncie, Fred Weaver A.B. (*Wabash Coll.*) 1910		‡		*Paris* Chemistry
Murdock, Walter Thompson B.S. (*Purdue Univ.*) 1907	†	‡	(S10)	*Chicago* Chemistry
Murota, Choichi C.B. (*Waseda Univ.*) 1910		‡		*Tokyo, Japan* Economics
*~~Musselman, Thomas Edgar~~ A.B., 1910	†	‡		*Quincy* Zoology
Nichols, Irby Coghill B.S. (*Univ. Mississippi*) 1906; A.M., 1908		‡		*College Station, Tex.* Scholar in Mathematics
Nickell, Lloyd Francis A.B., 1909	†	‡	(S10-11)	*Champaign* Chemistry
Noeremberg, Clarence Eugene B.S., 1907; A.E., 1909; A.B., 1910	†	‡		*Highland Park* Theoretical and Applied Mechanics
*Nydegger, John B.S., 1907	†			*Detroit, Mich.* Mechanical Engineering
Olin, Hubert Leonard A.B. (*Univ. Iowa*) 1908	†	‡		*Tonkawa, Okla.* Fellow in Chemistry
Orcutt, Alfred Walter B.S. (*Carleton Coll.*) 1909 A.M. (*Lake Forest Coll.*) 1911		‡		*Lake Forest* Fellow in Zoology
*Ostrander, Mabel Verona A.B., 1908	†	‡	(S11)	*Chicago* History
Ostrom, Gustaf Esmer A.B. (*Augustana Coll.*) 1909	†			*Moline* Chemistry
Ou, Hua Ching B.S., 1906; A. B., 1911		‡		*Canton, China* Soil Physics

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* In absentia.

Overmier, Melvern D	B.S., 1911		‡		*Mt. Auburn*	Electrical Engineering
Owens, Albert Waffle	B.S. *(Bucknell Univ.)* 1909		‡	(S11)	*Lewisburg, Pa.*	Inorganic Chemistry
Palmer, George Merit	A.M., 1909	†			*Urbana*	English
Park, Jay Boardman	A.B., 1908	†	‡		*Paxton*	Agronomy
Parr, Rosalie Mary	A.B., 1906	†	‡		*Mapleton*	Botany
Peine, Arthur F	A.B. *(Illinois Wesleyan Univ.)* 1911		‡		*Bloomington*	Scholar in History
*Pence, Owen Earle	A.B., 1910	†	‡		*Hamilton*	Sociology
Perkins, Reba Niles	A.B., 1910			(S11)	*Urbana*	English
Peterson, Alvah	B.S. *(Knox Coll.)* 1911		‡		*Galesburg*	Scholar in Entomology
*Phillips, James David	B.S., 1893	†			*Madison, Wis.*	Architecture
Phillips, Paul Chisler	A.B. *(Indiana Univ.)* 1906	†			*Bloomfield, Ind.*	History
Phillips, William Jeter	B.S. *(Virginia Pol. Inst.)* 1901; M.S., 1903	†			*Massey, Va.*	Entomology
Pickels, George Wellington, Jr.	B.C.E. *(Univ. Kentucky)* 1904	†			*Urbana*	Civil Engineering
Pierce, Thirza May	A.B., 1911	†			*Elgin*	Education
*Pillsbury, Charles Stephen	A.B. 1907; B.S., 1908	†			*Chicago*	Mechanical Engineering
Pincomb, Helena Maude	B.S. *(Kansas Agr. Coll.)* 1901		‡		*Lenexa, Kan.*	Household Science
Pinkerton, James Foster	A.B. *(Monmouth Coll.)* 1903	†			*Berdan*	Chemistry
Ponder, Ray Boyd	B.S., 1911		‡		*Urbana*	Mechanical Engineering
Porter, Francis Marion	B.S. *(Ohio Univ.)* 1907	†		(S10)	*Circleville, O.*	Physics
Potter, Ralph Sydney	A.B. *(Lake Forest Coll.)* 1909	†	‡		*Fairbury*	Inorganic Chemistry
Price, Anna May	A.B. *(Univ. Nebraska)* 1898 B.L.S., 1900 A.M. *(Univ. South Dakota)*	†			*Lincoln, Neb.*	French
Pricer, John Lossen	A.M., 1907			(S10)	*Champaign*	Botany
Radcliffe, Henry Herbert	A.B. *(Indiana Univ.)* 1904	†		(S11)	*Taylorville*	Chemistry
Randolph, Oscar Alan	B.S. *(Missouri School Mines)* 1911		‡		*Urbana*	Physics
Rayl, Ferdinand Vernon	A.B. *(Wabash Coll.)* 1910	†			*Tipton, Ind.*	Scholar in Mathematics
Rayner, William Horace	B.S., 1909		‡		*Champaign*	Mathematics
Read, John William		†	‡		*Columbia, Mo.*	

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* In absentia.

B.S. *(Univ. Missouri)* 1903; M.S., 1908				Fellow in Chemistry
Reed, Susan Martha A.B. *(Mt. Holyoke Coll.)* 1907	†	‡		*Westfield, Mass.* Fellow in History
Rees, Edith Janette A.B. *(Hedding Coll.)* 1910	†			*Altona* Scholar in the Classics
Reid, Mollie A.B., 1910	†			*Ozark* English
Reiff, Paul Friedrich Ph.D. *(Basle)* 1901	†	‡		*Urbana* Fellow in History
Reinemund, Julius Adam A.B. *(Augustana Coll.)* 1911		‡		*Muscatine, Ia.* Scholar in Sociology
Renich, Amanda B. A.B., 1910		‡	(S11)	*Woodstock* History
Renich, Mary Emma A.B., 1911		‡	(S11)	*Woodstock* Mathematics
Riley, Charles Frederick Curtis A.B. *(Doane Coll.)* 1901 A.B. *(Univ. Michigan)* 1905		‡		*Champaign* Animal Ecology
Rinaker, Clarissa A.B. *(Blackburn Coll.)* 1903	†	‡		*Carlinville* Fellow in English
Ripley, Charles Trescott B.S., 1909		‡		*Topeka, Kan.* Railway Engineering
Roark, Raymond Jefferson B.S., 1911		‡		*Richmond, Ky.* Scholar in Civil Engineering
Ross, Carl Wilbur A.B. *(DePauw Univ.)* 1908		‡		*Champaign* Education
Ross, Ellison Lloyd B.S. *(Iowa State Coll.)* 1904	†	‡	(S10-11)	*Delphas, Kan.* Fellow in Chemistry
Rowland, Sidney Archibald, Jr. A.B. *(Ouachita Coll.)* 1907	†	‡		*Bartlesville, Okla.* Physics
Rugg, Harold Ordway B.S. *(Dartmouth Coll.)* 1908; C.E., 1909		‡		*Fitchburg, Mass.* Education
*Rump, Guy Henry B.S., 1904	†			*Quincy* Civil Engineering
Rupp, Lewis William A.B. *(Carthage Coll.)* 1910	†			*Conneaut, O.* Scholar in English
Rusk, Ralph Leslie A.B., 1909			(S10)	*Windsor, Mo.* English
Rutledge, George A.B., 1910		‡	(S10)	*Champaign* Mathematics
Rutherford, Andrew A.M. *(Edinburgh Univ.)* 1906; B.S., 1907		‡		*Blairadam, Scotland* Entomology
Samuels, Thomas Walter A.B., 1909	†	‡		*Carrollton* Economics
Sandifur, Claude Williamson A.B., 1906	†		(S10)	*Champaign* Physics
Schaffer, Wilhelmina Marie A.B. *(Lake Forest Coll.)*		‡		*Lake Forest* Scholar in German
Schaller, Alwin Louis B.S., 1907		‡		*Wellesville, N. Y.* Mechanical Engineering
Schaller, William Fred B.S., 1910		‡		*Mendota* Scholar in Electrical Engineering
Scheffel, Earl Read		‡		*Dayton, O.*

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* In absentia.

B.S. *(Denison Univ.)* 1907; M.S., 1908				Stratigraphy
Schlichte, Anton Augustus	†			*Chicago*
B.S. *(Univ. Michigan)* 1909 M.S., 1910				Fellow in Chemistry
Schmidt, Violet Jayne	†			*Urbana*
A.B. *(Univ. Michigan)* 1887 A.M. *(Univ. Minnesota)* 1896 Ph.D. *(Univ. Michigan)* 1903				Sociology
Schwiering, Oscar Conrad			(S11)	*Marengo*
A.B. *(Iowa Wesleyan Univ.)* 1908				Education
Scott, Franklin William		‡		*Urbana*
A.B., 1901; A.M., 1903				English
Sears, George Wallace		‡		*Kidder, Mo.*
B.S. *(Drury Coll.)* 1908				Scholar in Chemistry
Seely, Fred B	†	‡	(S11)	*Chester, N. Y.*
B.S. *(Worcester Pol. Inst.)* 1907				Mechanical Engineering
Senning, John Peter		‡		*Jacksonville*
A.B. *(Univ. Iowa)* 1908				Fellow in History
Shackell, Bessie Estelle	†			*Urbana*
A.B., 1910				Scholar in the Classics
Shepard, McPherson		‡		*Allendale*
A.B. *(McKendree Coll.)* 1909				Political Science
Shepherd, Queen Lois		‡		*Madison, Wis.*
A.B. *(Northwestern Univ.)* 1907 A.M. *(Univ. Wisconsin)* 1910				Fellow in Philosophy
Sherwin, Carl Paxson	†	‡		*Bristol, Ind.*
B.S. *(J. B. Stetson Univ.)* 1909				Chemistry
Shook, Glenn Alfred		‡		*Urbana*
A.B. *(Univ. Wisconsin)* 1907				Physics
Shulters, John Raymond	†	‡		*Bristol, N. Y.*
A.B., 1910				Scholar in the Romance Languages
Sinha, Satyasaran	†			*Calcutta, India*
B.S., 1911				Agronomy
Slough, Georgia Kellar		‡		*Abingdon*
A.B. *(Hedding Coll.)* 1908				Latin
Smith, Ellwood Spencer		‡		*Brooklyn, N. Y.*
(U. S. Naval Acad.) 1910				Physics
Smith, Irvin Webster			(S10)	*Urbana*
A.B., 1908				Mathematics
Smith, Orrin Harold	†	‡		*Corning, Ia.*
A.B. *(Knox Coll.)* 1908				Physics
*Smith, Percy Almerin	†	‡		*Hiroshima, Japan*
B.S., 1901				Education
Smith, Pinckney Freeman	†			*Brownington, Mo.*
A.B. *(Univ. Missouri)* 1909				Scholar in English
Smith, Rose			(S11)	*Gibson City*
A.B., 1911				Animal Husbandry
Smith, William Herschel	†	‡		*Tobias, Neb.*
B.S. *(Univ. Nebraska)* 1906				Animal Husbandry
*Smith, William Walter	†			*Broadlands*
A.B., 1900; B.S., 1907				Civil Engineering
Snook, Vera Jessie		‡		*Ottawa*
A.B., 1911				English
*Snyder, Christopher Henry		‡		*San Francisco, Cal.*
B.S., 1890				Civil Engineering

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*In absentia.

Soo-Hoo, Peter A.B. *(Stanford Univ.)* 1910	†			*San Rafael, Cal.* Railway Civil Engineering
Soule, Cleone Hardyn A.B. *(Miami Univ.)* 1910	†			*Tacoma, Wash.* Scholar in the Romance Languages
Stahl, Elmer Roy A.B., 1910	†			*Augusta* Scholar in History
Staley, Irene Elizabeth A.B. *(James Millikin Univ.)* 1909		‡		*Decatur* English
Stallings, William Henry, Jr. A.B. *(Shurtleff Coll.)* 1908	†			*Upper Alton* Scholar in the Classics
Stallings, Wardeman Pearce A.B. *(Shurtleff Coll.)* 1910	†			*Alhambra* Scholar in Economics
Steinke, Martin William A.B. *(Wartburg Coll.)* 1908 A.M. *(Univ. Washington)* 1910	†	‡		*Seattle, Wash.* Scholar in German
Stempel, Waldemar Matthaeus A.B. *(Indiana Univ.)* 1905	†			*Ft. Madison, Ia.* Physics
Stevens, Robert Howard B.S. *(Univ. Chicago)* 1908 M.S., 1909	†	‡	(S10-11)	*DeLand, Fla.* Chemistry
Steward, Robert Kent B.S. *(Univ. Maine)* 1908	†			*Skowhegan, Me.* Theoretical and Applied Mechanics
Stewart, Charles Leslie A.B. *(Illinois Wesleyan Univ.)* 1911		‡		*Bloomington* Scholar in Economics
Stifler, William Warren A.B. *(Shurtleff Coll.)* 1902; A.M., 1908	†			*Upper Alton* Fellow in Physics
Stouffer, Ellis Bagley B.S. *(Drake Univ.)* 1907 M.S. *(Univ. Chicago)* 1907	†			*State Center, Ia.* Fellow in Mathematics
Stowell, Charles Jacob B.S. *(Illinois Wesleyan Univ.)* 1911		‡		*Bloomington* Scholar in Economics
Strachan, Earle Kenneth B.S. *(Worcester Pol. Inst.)* 1908	†	‡	(S11)	*Montello, Mass.* Fellow in Chemistry
Strauch, Bernard Andrew A.B., 1908; J.D., 1910	†	‡		*Chadwick* Political Science
*Strawn, Myrtle A.B., 1906	†	‡		*Albion* History
Strehlow, Oscar Emil B.S., 1896	†			*Tuscaloosa, Ala.* Civil Engineering
Strom, John B.S., 1910	†			*Geneva* Civil Engineering
Strong, Frank Ward A.M. *(Williams Coll.)* 1905	†			*North Woodbury, Conn.* Scholar in History
Summers, Lucius Welborne B.S. *(Clemson Agr. Coll.)* 1910	†			*Springfield, S. C.* Animal Husbandry
*Swanberg, Floyd Ludwig B.S., 1902	†			*Cincinnati, O.* Mechanical Engineering
Swanson, Arthur E A.B. *(Augustana Coll.)* 1908	†			*DeKalb* Fellow in Economics
Taggart, Margaret Wallace A.B. *(Western Coll.)* 1906 A.M. *(Univ. Wooster)* 1907	†		(S10)	*Wooster, O.* Education

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*In absentia.

Tanabe, Stetfan Fujita B.S. *(Knox Coll.)* 1911		‡		*Tokyo, Japan* Scholar in Physics
Tanquary, Maurice Cole A.B., 1907	†	‡		*Champaign* Entomolgy
Taylor, Ward Hastings A.B., 1910		‡		*Avon* Mathematics
Teetor, Paul A.B., 1909		‡		*Okeana, O.* Scholar in Ceramics
Teichman, Arthur Elroy B.S. *(Northwestern Coll.)* 1911		‡		*Bismarck, N. Dak.* Sociology
Templin, Ellis W B.S. *(Purdue Univ.)* 1910	†			*Lawrenceburg, Tenn.* Fellow in Railway Mechanical Engineering
Terry, James Pugh B.S.A. *(Cornell Univ.)* 1911		‡		*Riverhead, N. Y.* Dairy Husbandry
Thomas, Frank Waters A.B. *(Indiana Univ.)* 1905	†		(S11)	*Indianapolis, Ind.* Education
Thompson, Charles Manfred A.M., 1910		‡		*Champaign* History
Thompson, Milton Winfield A.B., 1910	†	‡	(S10-11)	*Ogden* Political Science
Thompson, Samuel M A.B., 1909	†			*Harrisburg* English
Tieje, Arthur Jerrold A.B. *(Cornell Univ.)* 1903; A.M., 1904		‡		*Urbana* Fellow in English
Tieje, Ralph Earle A.B., 1910	†	‡		*Urbana* English
Todd, Vincent Hollis A.B. *(Harvard Univ.)* 1907 A.M., 1910	†	‡	(S10)	*Blooming Valley, Pa.* Fellow in German
Torrence, Howard J A.B. *(Monmouth Coll.)* 1910			(S11)	*Monmouth* Mathematics
Towns, Orla Alamon		‡		*Champaign* History
*Trees, Merle Jay B.S., 1907	†			*Chicago* Civil Engineering
Tremper, George Nelson A.B. *(Univ. Michigan)* 1901	†		(S11)	*Champaign* Latin
Trinkle, John H B.S. *(Danville, Ind.)* 1904 A.B. *(Indiana Univ.)* 1910			(S11)	*Paoli, Ind.* Education
Turner, Hubert Michael B.S., 1910	†	‡		*Hillsboro* Electrical Engineering
Upson, Lent Dayton A.B. *(Univ. Wisconsin)* 1908 A.M., 1909	†			*Rockford* Fellow in Political Science
Urban, Harvey Benjamin A.B., 1908			(S10)	*Palestine* Education
Van Alstine, Ernest B.S. *(Michigan Agr. Coll.)* 1907	†			*Grand Ledge, Mich.* Agronomy
Van Cleave, Harley Jones B.S. *(Knox Coll.)* 1909	†	‡		*Knoxville* Fellow in Zoology
Van Cleave, Mina Josephine B.S. *(Knox College)* 1901		‡		*Knoxville* Education
Van Cleve, Edward Everitt		‡		*Urbana* Education

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*In absentia.

Vaubel, Daniel	Ph.B. *(Northwestern Coll.)* 1910		‡		*Washington*	German
Vial, Frederic Ketchum	B.S., 1886	†			*LaGrange*	Civil Engineering
Vines, Nellie May Frazey	A.B., 1901			(S11)	*Urbana*	English
Voigt, Irma Elizabeth	A.B., 1910; A.M., 1911	†	‡		*Quincy*	Fellow in German
Waggoner, Harry Dwight	A.B., 1909			(S10)	*Granite City*	Botany
Wahlin, Adrian	A.B. *(Bethany Coll.)* 1911		‡		*Lindsborg, Kan.*	English
Wakeley, Leslie Marion	B.S., 1911		‡		*Harvard*	Dairy Husbandry
Waldo, Edward Hardenbergh	A.B. *(Amherst Coll.)* 1888 M.E. *(Cornell Univ.)* 1890		‡		*Urbana*	Electrical Engineering
Wallace, Frank Miller	B.S., 1911		‡		*Chicago Heights*	Ceramics
Walton, Thomas William	A.B., 1910	†			*Champaign*	Sociology
Wang, Ching Chun	Ph.B. *(Yale Univ.)* 1908 A.M., 1909	†			*Peking, China*	Fellow in Economics
Watson, Helen Gertrude	A.B. *(Hedding Coll.)* 1911		‡		*Abingdon*	Scholar in the Classics
Watson, Lawrence Orr	B.S. *(Clemson, S. C., Agr. Coll.)* 1908	†			*Greenwood, S. C.*	Agronomy
Watson, Marguerite	A.B., 1910			(S11)	*Champaign*	English
*Weeks, Harry Wiliam	A.B. *(Lombard Coll.)* 1900 B.S., 1904	†			*Jackson, Mich.*	Mechanical Engineering
Welch, Paul Smith	A.B. *(James Millikin Univ.)* 1910	†	‡		*Oconee*	Scholar in Zoology
*Wenger, Edgar Isaac	B.S. *(McGill Univ.)* 1899 B.S., 1899	†			*Urbana*	Electrical Engineering
Whisler, Percy Frazey	B.Ped. *(Drake Univ.)* 1907 B.S., 1909	†		(S10)	*Farragut, Ia.*	Astronomy
White, Earl Archibald	B.S., 1908	†			*Champaign*	Agronomy
White, James McLaren	B.S., 1890	†			*Champaign*	Architectural Engineering
White, Jonathan Winborne	B.S. *(A. & M. Coll. N. Carolina)* 1903		‡		*Greenville, N. C.*	Agronomy
Whiting, Albert Lemuel	M.S. *(Rhode Island State Coll.)* 1910	†	‡		*Stoughton, Mass.*	Fellow in Agronomy
Whitten, John Hamilton	A.B., 1911	†	‡	(S11)	*Urbana*	Botany
Wiley, John Frederick	Ph.B. *(DePauw Univ.)* 1902			(S10-11)	*Mattoon*	Education

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*In absentia.

Wiley, Neva Beryl			(S10)	*LePlace*
A.B. *(Illinois Woman's Coll.)* 1910				History
Williams, Anna Waller	†	‡		*Urbana*
A.B., 1907				Household Science
Williams, Guy Yandall		‡		*Enid, Okla.*
A.B. *(Univ. Okla.)* 1906; A.M., 1910 M.S. *(Univ. Chicago)* 1911				Fellow in Chemistry
Williams, Richard Hermon	†	‡		*Corbetton, Ont., Canada*
B.S.A. *(Toronto Univ.)* 1905				Fellow in Animal Husbandry
Williamson, Warren	†			*Champaign*
A.B. *(Knox Coll.)* 1897				Scholar in Entomology
Willson, Frank Gardner	†	‡		*Urbana*
B.S., 1903				Electrical Engineering
Wilson, Charles Richard		‡		*Virginia*
A.B. *(Illinois Coll.)* 1911				Scholar in Mathematics
Wilson, David Wright	†		(S11)	*Knoxville, Ia.*
B.S. *(Grinnell Coll.)* 1910				Chemistry
Woodbridge, Mary Emily			(S10)	*Urbana*
A.B., 1908				Botany
Woodrow, Harry Ray	†			*Des Moines, Ia.*
B.S. *(Drake Univ.)* 1909				Fellow in Physics
Woodrow, Jay Walter	†	‡		*Urbana*
A.B. *(Drake Univ.)* 1907 A.B. *(Oxford Univ.)* 1910				Physics
Woodward, Paul Stanley		‡		*Louisville, Ky.*
B.S. *(J. B. Stetson Univ.)* 1908				Chemistry
*Wooster, Lawrence Fisher		‡		*Corvallis, Ore.*
B.S., 1906				Electrical Engineering
Wooten, Onnie B.	†			*Senatobia, Miss.*
B.S. *(Mississippi Agr. and Mech. Coll.)* 1908				Fellow in Electrical Engineering
Wooters, James Ellsworth			(S10-11)	*Taylorville*
PhB. *(Blackburn Coll.)* 1908				History
*Worker, Joseph Garfield	†			*Chicago*
B.S., 1904				Mechanical Engineering
Wright, Sewall Green		‡		*Galesburg*
B.S. *(Lombard Coll.)* 1911				Scholar in Biology
Wrigley, Robert M			(S11)	*Trivoli*
A.B. *(Hedding Coll.)* 1910				Political Science
Wussow, August Frank Daniel	†			*Chicago*
B.S., 1909				Chemistry
Yasui, Sekiji		‡		*Watsonville, Cal.*
A.B. *(Waseda Univ., Japan)* 1906				Political Science
Yensen, Trygve D	†	‡		*Christiania, Norway*
B.S. 1907				Railway Electrical Engineering
*York, Gertrude Irene	†			*Hammond*
A.B., 1911				English
Zhen, Juedan Tun-shou	†			*Shanghai, China*
A.B., 1910				Railway Administration
Zimmerman, Walter Herman	†			*Champaign*
B.S., 1897				Mechanical Engineering
Zucker, Theodore Frederick		‡		*Ft. Wayne, Ind.*
(Concordia Coll.) 1907				Chemistry

UNDERGRADUATE AND PROFESSIONAL COLLEGES AND SCHOOLS IN URBANA

(Including the Colleges of Literature and Arts, Science, Engineering, Agriculture, and Law, the Library School, and the School of Music)

ABBREVIATIONS

Courses

A	Architecture	HSS	Household Science, Science
AD	Architectural Decoration	L	Law
AE	Architectural Engineering	LA	Literature and Arts
Agr	Agriculture	Lb	Library Science
Art	Art and Design	Md	Medical Preparatory
BLA	Business, Literature and Arts	ME	Mechanical Engineering
CE	Civil Engineering	MnE	Mining Engineering
Cer	Ceramics	MSE	Municipal and Sanitary Engineering
Ch	Chemistry		
ChE	Chemical Engineering	Mus	Music
EE	Electrical Engineering	RE	Railway Engineering
HSAgr	Household Science, Agriculture	S	Science
		SS	Summer Session
HSLA	Household Science, Literature and Arts	(S10), (S11)	Summer Session 1910 or 1911

NAME	COURSE	ATTENDANCE 1910-11	ATTENDANCE 1911-12	CREDIT HOURS*	RESIDENCE
Aagaard, Arthur Hildeman	*ME*	†	‡	*37*	*Chicago*
Abbott, Alfred Nalle	*CE*	†		*143*	*Saltillo, Mexico*
Abbott, Arthur William	*Agr*	†	‡	*87*	*Chicago*
Abbott, Constance B	*SS*	†		*1*	*Mahomet*
Abbott, Edward Douglas	*EE (S11)*	†		*86½*	*Champaign*
Abbott, Helen	*LA*	†	‡	*51*	*Chicago*
Abbott, Louis Asa	*Agr*	†	‡	*28½*	*Morrison*
Abbott, Ralph Wesley	*L*	†		*11*	*Canton*
Abbott, Seth David	*Agr*		‡	*62½*	*Sheridan*
Abbott, Theodora Sarah	*LA*	†		*140*	*Saltillo, Mexico*
Abney, Bertram	*Agr*	†	‡	*29½*	*Harrisburg*
Abney, M D	*S*	†	‡	*96*	*Harrisburg*
Acer, Donald Winchester	*BLA*	†	‡	*31*	*Medina, N. Y.*
Acer, Herbert Augustus	*BLA(S11)*	†	‡	*95*	*Medina, N. Y.*
Acer, Katharine Edith	*HSLA*	†	‡	*31*	*Medina, N. Y.*
Ackerburg, Harry Emanuel	*L*	†		*4*	*Chicago*
Ackerman, Joseph Ferdinand	*Agr*		‡		*Ligonier, Ind.*
Adams, Albert Clark	*EE*		‡		*Chicago*
Adams, Eugene Franklin	*AE*		‡		*Noblesville, Ind.*
Adams, William Clyde	*MnE*	†	‡	*32*	*Chicago*
Adams, William Calvin	*ChE*		‡	*35*	*Watseka*
Adamson, Clarence Herbert	*Agr sp*		‡		*Aurora*
Ade, John Otis	*Agr*	†	‡	*18*	*Kentland, Ind.*
Adriance, Rhoda Gilmour	*LA*	†	‡	*95*	*Bellefontaine, O.*
Ainey, David Carlyle	*ME*		‡		*Montrose, Pa.*
Ainsworth, Harry Francis	*Agr*		‡		*Greensburg, Ind.*
Ainsworth, Harry G	*ME*	†	‡	*29*	*Mason City*

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* Computed October 1, 1911.

Ainsworth, Walter Wilford	*BLA(S10)*	†	‡	99	*Chandlerville*
Akin, Elva Veola	*HSAgr*		‡		*Zeandale, Kan.*
Alband, Lilian May	*LA*		‡		*Streator*
Albaugh, Forrest Plato	*Agr*		‡		*Chicago*
Albin, Harold Cornelius	*Agr sp*	†	‡	18	*Washington, D.C.*
Albin, Russell Hamrick	*BLA*	†	‡	91	*Geneva*
Albrecht, Arthur Joseph	*L*	†	‡	26	*Tiskilwa*
Albrecht, William Albert	*LA*	†		130	*Flanagan*
Albright, Raymond Bean	*LA*	†	‡	35	*Minier*
Albright, Roscoe Harrison	*CE*	†	‡	85	*Minier*
Alden, John Leslie	*ME*	†	‡	65	*Detroit, Mich.*
Aldrich, Eleanor Purdy	*LA*	†		61	*Potsdam, N. Y.*
Aldrich, Harry Glen (B.S. *(Knox Coll.)*	*A*	†	‡	144	*Galesburg*
Aleshire, Merlin Clay	*CE*	†		134½	*Chicago*
Aleshire, Sarah Louise	*HSAgr*	†	‡	28	*Chicago*
Alexander, Grace Elizabeth	*SS*		‡	4	*Chicago*
Alexander, James Greenleaf	*LA*		‡	12	*Corydon, Ia.*
Alexander, John Alva	*SS*	†	‡	26	*Keithsburg*
Alexander, Laurence H	*Agr*		‡		*Emden*
Alexander, Lucie Belle	*LA*	†	‡	33	*Rushville*
Alexander, Philip Earl	*SS*		‡	6	*Mt. Vernon*
Alexander, William Henry	*S*	†		15	*Chicago*
Alkire, Hazel Ellen	*LA*	†	‡	96	*Greenview*
Allan, William Selby	*CE*	†		148	*Chicago*
Allen, Alice Alexandria	*S*		‡		*Urbana*
Allen, Edward Dewalt	*Md*	†		105	*Freeport*
Allen, Ernest Victor	*ME*		‡		*Pana*
Allen, George B	*ME*	†		142	*Roodhouse*
Allen, Ira Wilder	*LA*	†		35	*Chicago*
Allen, Louis	*LA*	†	‡	66	*Clinton*
Allen, Otho William	*LA*	†	‡	39	*Clinton*
Allen, Paul Glen	*LA*		‡		*Chicago*
Allen, Ralph, Jr	*Agr*	†	‡	109½	*Delavan*
Allen, Ray Clifford	*LA*	†		133	*Waterman*
Allen, Ruby Letitia	*LA*		‡		*Carlyle*
Allhands, Cash Lyle	*Agr*		‡		*Watseka*
Allis, Fayette Henry	*A*		‡		*Manhattan, Kan.*
Allison, Carl Walter	*Agr*	†	‡	75½	*Olney*
Allison, Ruth Elizabeth	*LA*		‡		*Kirkland*
Allison, Theodore Mason	*LA*		‡		*Peterson, Ia.*
Allyn, Albert Merrell	*AE*	†	‡	32	*Escanaba, Mich.*
Allyn, Orr	*Agr*	†	‡	65½	*Urbana*
Almy, William Herbert	*ME* (S11)	†		153	*Sterling*
Altpeter, Walter George	*ME*		‡		*Chicago*
Alverson, Maude Lena A.B., 1909	*SS*	†			*Urbana*
Alverson, Shirley George	*MnE*	†		20	*Fulton, Ky.*
Ambrose, Arthur Samuel	*Agr*	†		48½	*Downers Grove*
Ames, Albert Wilson B.S., 1909	*EE*	†		176½	*Chicago*
Ames, James Albert	*Agr*	†		4	*Oblong*
Ames, Miner Thomas	*L*		‡		*Chicago*
Amos, Douglas Jacques	*S*	†		7	*Cairo*
Amsbary, Harlow Aydelott	*ME*	†	‡	33	*Champaign*
Anderle, Emil Joseph	*Cer*	†	‡	35	*Chicago*
Anderson, Albert Franklin	*Agr sp*	†		6	*Pleasant Plains*
Anderson, Almon Severin	*SS*		‡		*Litchfield*
Anderson, Mrs. Anna Laura	*SS*	†			*DuQuoin*

Anderson, Arvid Robert	*EE*	†		*143*	*Chicago*
Anderson, Bert Allen	*CE*		‡		*Chicago*
Anderson, Clair Ellmore	*EE*	†		*141*	*Summer Hill*
Anderson, Charles Thomas	*EE*	†		*140½*	*Taylorville*
Anderson, Clarence Felix	*LA (S11)*	†	‡	*16½*	*Flora*
Anderson, Clarence Joseph	*A*		‡		*Princeton*
Anderson, Clarence Scott	*Agr*	†	‡	*33½*	*Polo*
Anderson, David Philip	*LA*	†		*26*	*Batavia*
Anderson, Earl Wing	*Cer*		‡		*Urbana*
Anderson, Edgar Mauritz	*L*	†		*4*	*Batavia*
Anderson, Guy Vernon	*Agr (S11)*	†	‡	*75½*	*Chicago*
Anderson, Irving	*MSE*	†		*110*	*Galesburg*
Anderson, Isabella	*LA SS*		‡	*11 5-6*	*Prairie duRocher*
Anderson, John Henning	*CE sp*	†	‡	*14*	*Rock Island*
Anderson, Josua Clayton	*Agr sp*	†	‡	*41½*	*Champaign*
Anderson, Rena	*HSLA*	†	‡	*28*	*Polo*
Anderson, Russell A McCurdy	*AE SS*	†		*161*	*Urbana*
Anderson, Walker W	*A*		‡		*Holder*
Anderson, Walter Sigfried	*CE sp*	†	‡	*18*	*Rock Island*
Anderson, William French	*Agr*		‡		*Lake Forest*
Andresen, Hans Henry Louis	*A*	†	‡	*28*	*Chicago*
Andresen, Marie Otillie	*LA*		‡		*Chicago*
Andrews, Alfred Allen	*Agr*	†	‡	*67*	*Ottawa*
Andrews, Chauncey Bliss	*Agr*	†	‡	*31*	*Chicago*
Andrews, Edwin Willard	*Ch*		‡	*82*	*Oak Park*
Andrews, Harriet Beatrice	*LA*	†		*61*	*Mattoon*
Andrews, James Burton	*Agr sp*	†	‡	*79*	*Walnut*
Andrews, John Asa	*Agr*		‡		*Walnut*
Andrews, Peach Helen	*LA*	†	‡	*65*	*Macon*
Andrews, Robert Homer	*Agr sp*	†		*12*	*Macon*
Andrews, William Orus	*CE*	†	‡		*Joliet*
Angarola, Michael Louis	*CE*	†		*79½*	*Chicago*
Angerstein, George William	*L sp*	†			*Donnellson*
Annable, Neil Edwin	*RCE*	†	‡	*37*	*Galva*
Anschicks, Carl Ernest	*ME*	†	‡	*59*	*Ottawa*
Anthony, Anna Florence	*LA*	†		*16*	*Greenville*
Anthony, Charles Becht	*A*	†	‡	*47*	*Chicago*
Anthony, Mamie Elizabeth	*SS*	†		*38½*	*Greenville*
Anthony, William Cornelison	*ME*	†		*146*	*Streator*
Apgar, Leo Mahlon	*EE*	†	‡	*111*	*Urbana*
Aplington, William James	*LA*	†	‡	*36*	*LaSalle*
Apple, Charles Henry	*CE*		‡		*Peoria*
Apple, Essa Violette	*SS*		‡	*14*	*Carlyle*
Apple, Merri Ghloe, A.B., 1907	*SS*	†			*Palestine*
Applegate, Albert Angelo	*BLA*	†	‡	*49*	*Atlanta*
Applegate, Clyde Freeman	*Agr*		‡		*Greensburg, Ind.*
Applegate, Verne Linn	*Md*	†		*136½*	*Atlanta*
Aquilar, Rafael Hipolito	*SS*	†		*3*	*Candala, P. I.*
Arbuckle, Grover Samuel	*ME*	†	‡	*114*	*Brockton*
Armington, Dorothy Maude	*LA*		‡		*Dixon*
Arms, Jessie Louise	*Lb*	†		*66*	*Randolph, Wis.*
Armstrong, Della Estelle	*LA*		‡		*Newton, Ia.*
Armstrong, Grace Clark	*HSAgr*	†		*58*	*Chicago*
Armstrong, Ione	*Lb*	†		*67*	*Great Falls, Mont.*
Armstrong, Jessie Fay	*LA (S11)*	†	‡	*23*	*Champaign*
Armstrong, Louise Christabel	*LA*	†	‡	*96*	*Fenton, Mich.*
Armstrong, Walter Clark	*Agr*		‡		*Chicago*
Armstrong, Wayne Covert	*AE (S11)*	†	‡	*24*	*Newton, Ia.*
Arnold, Arthur Jewell	*L*	†			*Indianapolis, Ind*

Arnold, Charles Nathan	*EE*	†		*141*	*Galena*
Arnold, Howard Clinton	*CerE*(S10)	†	‡	*36*	*Chicago*
Arnold, Noble	*MSE*	†	‡	*73½*	*Chicago*
Arnold, Ralph	*A*	†		*144½*	*Carbondale*
Arnold, William Price	*L*	†	‡	*79*	*Beach, N. Dak.*
Arterburn, Marion Waldo	*Agr*	†		*31½*	*Mattoon*
Aschauer, Frank Henry	*EE*	†	‡	*11*	*Springfield*
Aschermann, Roy Oral	*ME*	†		*37*	*Lovington*
Ash, Alan Newton	*Agr*	†	‡	*22½*	*McNabb*
Ashley, Laurin S	*S (S11)*		‡	*3*	*Champaign*
Ashton, Pearl Winifred	*HSS*	†	‡	*103*	*Kalamazoo, Mich*
Ashwill, Raymond Morris	*EE*		‡		*Toledo*
Ashwood, Paul Ellsworth	*EE*		‡		*Rushville*
Atkin, Bessie May	*HSAgr*		‡		*Evansville, Ind.*
Atkinson, Albert King	*CE (S11)*	†	‡	*77*	*Chicago*
Atkinson, Fred'k Mortimer, Jr	*LA*	†	‡	*58*	*Chicago*
Attebery, Charles William	*Agr*	†	‡	*102*	*Hillsboro*
Attebery, Clara Mabel	*HSAgr*	†	‡	*48*	*Hillsboro*
Atwood, Charles Austin	*Agr*	†	‡	*106*	*Alta*
Atwood, Harold	*Ch*	†		*75*	*Aurora*
Augustus, Earl Kirckwood	*Agr*	†	‡	*23*	*Warrensburg*
Augustus, Ralph Edgar	*Agr*		‡		*Urbana*
Austin, Barton Slade	*Agr*		‡		*Woodstock*
Austin, Hallie	*HSAgr(S11)*		‡		*Norris*
Austin, Harold Emery	*EE*		‡		*Chicago*
Avery, John Madison	*SS*	†	‡	*87½*	*Johnston City*
Avery, Rowland Alonzo	*Agr*	†		*34½*	*DeKalb*
Axelson, Alice	*HSLA*	†	‡	*27*	*Milan*
Axelson, Alphyld Josephine	*LA*	†		*140*	*Moline*
Axtell, Lee Reuben	*AE*	†	‡	*42*	*Elizabeth*
Ayers, George Lincoln	*CE*		‡		*St. Charles*
Ayers, Russell R	*BLA*		‡		*Newman*
Aylward, Frank Richard	*Agr sp*		‡		*Peoria*
Badger, Henry Stillman	*EE*		‡	*102½*	*Appleton, Wis.*
Bach, Beulah Winifred	*LA*	†	‡	*104½*	*Urbana*
Bachrach, Louis L	*ME*	†			*Decatur*
Back, Robert	*CerE*	†	‡	*124½*	*Chicago*
Bacon, Grace Martha	*LA*	†	‡	*62*	*Lockport*
Bacon, Robert Hamilton	*EE*	†	‡	*37*	*Kalamazoo, Mich*
Baer, Frederick Eugene	*LA SS*	†		*129⅔*	*Belleville*
Bagley, Glen David	*EE*	†	‡	*112*	*Elgin*
Bagley, Ruth Gertrude A.M. *(Univ. Cal.)* 1905	*SS*	†			*Detroit, Mich.*
Baie, Arthur Archie	*Md*	†	‡	*8*	*Hinckley*
Bailey, Charles Wilber, Jr	*ME*	†	‡	*37*	*Geneva*
Bailey, John Willard	*A*	†	‡	*30*	*Lovington*
Bailey, LaForce	*A*		‡		*Champaign*
Bailey, Roscoe Edward	*EE*	†		*74*	*Newman*
Bailie, Robert Mills	*A*	†	‡	*35*	*Storm Lake*
Baines, Alice Elizabeth	*HSLA*	†	‡	*32*	*Urbana*
Baines, Oscar Roland	*BLA(S11)*	†	‡	*95*	*Urbana*
Bainum, Glenn Cliffe	*LA (S10)*	†	‡	*62 1-6*	*Paxton*
Bair, William Harry	*SS*		‡	*8*	*Canton*
Baird, Bertha Salsich	*Lb*	†		*167½*	*Champaign*
Baird, Ethel May	*HSLA*	†	‡	*71*	*Urbana*
Baird, Florence	*LA*	†		*130*	*Indianola*
Baird, Stacey Phillip	*Agr sp*		‡		*Peotone*
Baker, Alfred Michael Mark, Jr	*Agr*		‡		*Godfrey, Mo.*
Baker, Amelia West	*LA*		‡		*Batavia*
Baker, Charlotte Phelps	*LA*	†		*130*	*Sullivan*
Baker, Elmer Jerome, Jr	*L (S10)*	†		*26*	*Chicago*
Baker, John J	*SS.*		‡	*7*	*Altamont*

Baker, Laura Minerva	*LA*	†	‡	*95*	*Whitehall*
Baker, Loraine Earl	*Agr sp*		‡		*Plainville*
Baker, Russell Parks	*BLA*		‡		*Dayton, Ind.*
Baker, William Allan	*Agr sp*	†	‡	*2½*	*Springfield*
Baldwin, Ada Lillian	*HSAgr*	†		*128*	*Dixon*
Baldwin, Ernest Robert	*Agr*	†		*124¾*	*Bad Axe, Mich.*
Baldwin, Janet Christine	*LA*	†	‡	*55*	*Paris*
Baldwin, Leo Starr	*ME*		‡		*Freeport*
Baldwin, Mamie Anna	*HSLA*	†	‡	*105*	*Rockford*
Baldwin, William Frazier	*A*		‡		*Chicago*
Ball, George Waldo	*EE*		‡		*Edison Park*
Ball, Jonas Hamilton	*Agr*	†		*114½*	*Toluca*
Ballon, Joseph Ladd	*ME*	†	‡	*37*	*Wheaton*
Baltzer, Earle Clingman	*Agr (S10)*	†		*48*	*Dakota*
Baltzer, Harold Keith	*Agr sp*		‡		*Champaign*
Bane, Frank Milton	*Agr*		‡		*Pontiac*
Bane, Geneva May	*HSAgr*	†	‡	*109*	*Pontiac*
Bane, Juliet Lita	*HSAgr*	†	‡	*111*	*Pontiac*
Bane, Roy	*Agr sp*	†			*Arrowsmith*
Banning, Sarah Louise	*LA*	†		*46*	*Chicago*
Bannister, Bryant	*ME*	†		*144*	*Kewanee*
Bannister, Julian Clyde	*CE*	†		*141*	*Naperville*
Bannister, Kimball	*Md*	†		*133*	*Kewanee*
Barancik, Morris	*LA*		‡		*Chicago*
Barber, Harry Truman	*Agr*	†	‡	*28½*	*Pittsfield*
Barber, Julia Minnetta	*LA*	†	‡	*67*	*LaFox*
Barber, Leslie Carroll	*LA*	†	‡	*67*	*LaFox*
Barber, Phil Chase	*ME*	†	‡	*61*	*Chicago*
Barbour, Ralph Waldo Emerson	*Agr*	†	‡	*30½*	*Urbana*
Barbre, Anna Lois	*SS*	†			*Taylorville*
Barclay, Herbert Thomas	*CE*	†		*51*	*Kansas City, Kan.*
Barden, Harold Edward	*EE*	†		*46*	*Urbana*
Bargh, George Holbrook	*LA*	†		*35*	*Kinmundy*
Barker, Beatrice	*HSLA*	†	‡	*50*	*Chicago*
Barker, Byrl Abbott	*Agr*		‡		*Mazon*
Barker, Sherman	*Agr*	†	‡	*19½*	*Springfield*
Barloga, Jesse August	*A*	†		*145*	*Pecatonica*
Barkman, Charles Pruden	*LA*		‡		*Princeton*
Barlow, Ralph Linden	*BLA*		‡		*Urbana, O.*
Barlow, Roscoe Leland	*Md*		‡		*Walshville*
Barnard, Hughes Albert	*ME (S10-11)*	†	‡	*71*	*Moline*
Barnard, Webster Allen	*LA*		‡		*Indianapolis, Ind.*
Barnes, Allen Littler	*A (S11)*	†	‡	*70½*	*Champaign*
Barnes, Maurice Edward	*LA*		‡		*Havana*
Barnes, Nelle	*Mus*	†	‡	*27*	*Champaign*
Barnes, Robert Olney	*EE*		‡		*LaGrange*
Barnes, Robert Raymond	*Cer*	†		*86*	*River Forest*
Barnett, Joseph Henry, Jr	*Agr*	†	‡	*46*	*Chicago*
Barnum, Edmund Maginnis	*CE*		‡		*LaGrange*
Barr, James Lackner	*BLA*		‡		*River Forest*
Barr, Nelson Rogers	*EE*	†		*186*	*Quincy*
Barradell, Albert Edward	*SS*	†		*133*	*Prophetstown*
Barrean, August Mathew	*CE*		‡		*Chicago*
Barrett, Frank Newton	*Agr sp*		‡		*Chicago*
Barrett, Orlye Glen	*Agr*	†	‡	*115½*	*Hudson, Mich.*
Barrett, Sarah Anita	*S*	†		*133*	*Butler*
Barrick, Nelle Elizabeth	*HSLA*	†	‡	*48*	*Villa Grove*
Barron, Alexander Fraser	*ME*	†	‡	*37*	*Chicago*
Barron, James Leslie	*Agr*	†	‡	*46½*	*Oak Park*

Barron, John Taylor	*Agr*		‡		*Oak Park*
Barrow, Ethel May	*HSS*		‡		*Wilmette*
Barry, Mary Cordelia	*LA*	†	‡	*99*	*Champaign*
Bartells, Henry Harrison	*Cer*	†	‡	*95*	*Camp Point*
Bartels, Nellie Flora	*LA*		‡		*Edwardsville*
Barth, Edward Fred	*CE*		‡		*Pana*
Bartmess, Ernest Lee	*Agr*	†		*68*	*Kansas*
Barton, Charles Frederick	*ME*		‡		*E. Orange, N. J.*
Barton, Percy Levi	*CE*	†		*141*	*Champaign*
Bartz, Edwin Joseph	*BLA*		‡		*Oak Park*
Bascome, Bartow Strang	*CE*	†	‡	*97*	*Elmira, N. Y.*
Bass, Glenn Wallace	*MSE (S11)*	†	‡	*65*	*Walnut*
Bassett, Cyrus White	*REE*	†	‡	*113*	*Chicago*
Bassett, John Besler	*EE*	†		*142*	*Galesburg*
Bates, Stacy Collins	*S*		‡		*Brookline, Mass.*
Bates, Theron Merrell	*Agr sp*		‡		*Roodhouse*
Bauer, Frank Stanley	*ME*	†		*142*	*Champaign*
Bauer, Franklin William	*BLA*	†	‡	*100*	*Compton*
Bauer, Harry Lloyde	*Agr*	†	‡	*35*	*Champaign*
Bauer, Leo Michael	*A*	†	‡	*32*	*Horton, Kan.*
Bauer, Otto Anton	*AE*	†		*163*	*Horton, Kan.*
Baum, Arthur Edward	*BLA*	†	‡	*96*	*Morris*
Baum, Floyd William	*CE (S11)*	†		*14*	*Champaign*
Bauman, Louis Peter	*Agr sp (S11)*	†	‡	*70½*	*Springfield*
Baumann, George William	*Agr*	†		*18½*	*Mt. Pulaski*
Baumann, Theodore Andrew	*Md*	†		*104*	*Cherry Valley*
Baumgardner, Harry Harold	*SS*	†	‡	*16 1-6*	*Jenera, O.*
Baumgarten, Arthur William	*EE*	†	‡	*33*	*Joliet*
Baxter, Bessie Mary	*LA*	†		*56*	*Astoria*
Baxter, Florence Gabrielle	*S*	†	‡	*140*	*Nauvoo*
Baxter, Mae Annie	*SS*		‡	*2½*	*Champaign*
Baxter, Vaughn Butler	*Agr*	†	‡	*45½*	*Ottawa*
Beach, Amy Adaline	*LA*	†	‡	*35*	*Antwerp, N. Y.*
Beall, Charles Wesley	*BLA(S11)*	†		*132½*	*Alton*
Beall, John Percival	*BLA*	†	‡	*1½*	*Alton*
Bean, Ralph Howard	*AD*	†		*133*	*Blue Mound*
Bean, Reuben	*Agr sp*		‡		*Hampshire*
Bean,, Richard J	*Agr sp*		‡		*Hampshire*
Bear, John Logan	*SS*	†		*108*	*Rockford*
Beaumont, George Stanley	*Agr*	†	‡	*37½*	*Chicago*
Bebb, Kenneth	*Agr*	†	‡	*100½*	*Chicago*
Bebb, Mabel Florence	*HSLA*	†	‡	*98*	*Muskogee, Okla.*
Bebb, Maurice Robert	*Agr*	†	‡	*75*	*Muskogee, Okla.*
Beck, Herbert Clinton	*CE*	†		*141*	*Harvard*
Beckemeyer, Harry John	*SS*	†		*69*	*Beckemeyer*
Becker, Morris Louis	*MnE*	†		*72½*	*Chicago*
Bechtold, Edmond	*Md*	†		*32*	*Belleville*
Beckett, Joe Rand	*A*	†	‡	*35*	*Indianapolis, Ind.*
Beckett, John Ralph	*Agr*	†		*48*	*Blue Mound*
Beckington, Olive Ruth	*LA (S11)*		‡	*9*	*Belvidere*
Beebe, Christopher Keeney	*ChE*	†	‡	*33*	*Chicago*
Beebe, Kenneth John	*S*	†	‡	*38½*	*Chicago*
Beecher, Howard Benjamin	*SS*	†		*130*	*Peoria*
Beekman, William Todd	*A*	†			*Petersburg*
Beers, Cyrenius, Jr	*Agr*	†	‡	*92*	*Chicago*
Behrensmeyer, Helen	*LA*		‡		*Quincy*
Beitner, Robert Louis	*LA*		‡		*South Bend, Ind.*

Belknap, Clarence Herbert	Md	†		75	Vandalia
Bell, Charles Jackson	EE	†		84	Urbana
Bell, Emerson DeWitt	EE		‡	37	Arcola
Bell, Leo Richard	MnE	†	‡	37	Stapleton, N. Y.
Belnap, Nuel Dinsmore	LA	†	‡	35	Mattoon
Belsley, Benjamin Rudolph	S (S10)	†		118 5-6	Roanoke
Belt, Jefferson Hall	EE (S11)	†	‡	113½	Saybrook
Belting, Charles Henry	Agr	†	‡	100	Urbana
Belting, John Theodore	Md		‡		Urbana
Belting, Paul Everett	LA	†	‡	90	Illiopolis
Benedict, Vivian Irene	LA	†		33	Savanna
Benitz, Frank Allyn	Agr (S11)		‡		Santa Fe, Arg.
Benjamin, Harry Webb	Md	†	‡	30	Chillicothe
Benjamin, Merrill Glen	ME	†	‡	67	Chicago
Benner, Arthur Jacob	S		‡		Chicago
Benner, William Jacob	CerE		‡		Chicago
Bennerschiedt, Fred'k Augustus	EE (S11)	†	‡	19½	Natchez, Miss.
Bennett, Clarence Summervell	LA		‡		Atwood
Bennett, Edward Martin	SS	†		7½	Chicago
Bennett, George Horace	A	†		16½	Geneva
Bennett, Hazel May	SS	†		66⅔	Aurora
Bennett, Louise Nancy	LA	†	‡	31	Urbana
Bennett, Ralph Anderson	CE		‡	75	Chicago
Bennett, Simon Addison	LA		‡		Atwood
Bennett, William Harrison	S	†		24	Aurora
Benson, Arthur	A		‡		Chicago
Benson, Joe Pope	LA (S10)	†		134⅓	Herrin
Benson, Lois Pope	LA	†	‡	37	Herrin
Bentley, Robert Lewis	Agr		‡		Lockport
Benton, Fred Staunton	RCE	†		142	Forsyth
Bercetche, Firmo, Jr	ME sp		‡		Argentine, S. A.
Berg, Ben Conrade	L	†		30	N. Crystal Lake
Berg, Oliver J	Ch	†		67	Shelbyville, Mich.
Berge, Maurice Aurelius	Md		‡		Ransom
Berger, Adda Elizabeth	SS	†		130 1-6	Dolton Station
Berger, Frederick Edwin	A	†	‡	82	Davenport, Ia.
Berger, Wallace	AE	†	‡	69	Chicago
Bergeson, J Melvin	Agr	†		50½	Earlville
Bergland, Floyd Harrison	Agr	†	‡	37½	Wasco
Bergman, Adolph	ME	†	‡	51	Chicago
Berkemeyer, Walter Charles	AE	†	‡	116	E. St. Louis
Berlin, Ethel Mary	BLA	†	‡	33	Omaha, Neb.
Bernard, Leslie Crosby	A	†	‡	69	Dayton, O.
Bernhardt, Pearl Anna Maria	HSS		‡		Collinsville
Bernstein, Louis Stewart	CE	†		140	Chicago
Bernstein, Simon Lewis	BLA sp	†	‡	9	Chicago
Berolzheimer, Clarence Philip	Agr	†	‡	52	Chicago Heights
Berry, Edward Hall	EE	†	‡	37	Oak Park
Berry, Elmer Knight	ME	†	‡	36	Warwick, N. Y.
Berry, John Worth	Agr		‡		Harrisburg
Berschbach, Clarence Frederick	ME(S10)	†		103	Kewanee
Berwald, Charles Harry	EE		‡		Dallas, Tex.
Beshoar, Frank	ME		‡		Burnett's Creek, Ind.
Bess, Dudley Chestnut	SS	†		8½	Rosemond
Bessems, Josephine Louise	LA	†		35	Chicago
Best, Bruce Phillip	BLA	†	‡	21	Paris
Betzelberger, Harry Roy	Agr sp		‡		Delavan
Beust, Max Charles	AE		‡		LaCrosse, Wis.
Beverlin, Gladys Loreen	HSAgr		‡		Urbana
Beverlin, Mayme Helen	LA		‡		Urbana

Bevis, Albon	*AE*		‡	*101*	*Urbana*
Beyer, Elizabeth Gunder	*HSS*		‡		*Urbana*
Beyer, Jennie Vera	*BLA*	†	‡	*30*	*Danville*
Bice, Lulu May	*Lb*	†		*34*	*Hays, Kan.*
Bickenbach, Frederick Robert	*Agr*	†		*36½*	*Freeport*
Bicknell, Fay Helen	*HSAgr*	†	‡	*79*	*Lovington*
Biester, Alice	*HSS(S10)*	†	‡	*102½*	*Belvidere*
Biebelle, Walter Risdon	*BLA*		‡	*81⅔*	*Belleville*
Biggs, John Davis	*L*	†		*84*	*Greenville*
Bigler, Harry Edward	*BLA*		‡		*Sigel*
Bilhorn, Walter Edwin	*CE*	†		*79*	*Chicago*
Bill, Edgar Luther	*Agr sp*	†	‡	*21½*	*Normal*
Billion, Mary Isabel	*LA sp*	†			*Sioux Falls, Ia.*
Billman, DeWitt	*L*	†	‡	*59*	*E. St. Louis*
Binder, Albert August	*EE*	†	‡	*36*	*Champaign*
Bingham, Arthur Barnes	*Agr*		‡		*River Forest*
Binns, Florence O	*S*		‡		*Pittsfield*
Birdsall, Grace Lenore	*SS*	†		*3⅓*	*Swan Creek*
Birdsall, Ralph James	*Md*		‡		*Swan Creek*
Bissekumer, Roger Martin	*Md*		‡		*Rockford*
Birney, Thomas Milton	*LA*	†		*133½*	*Normal*
Bissell, George Francis	*Cer*	†	‡	*21*	*Winnetka*
Black, Charles Day	*EE SS*	†		*143*	*Plymouth*
Black, John Earl	*ME*	†	‡	*37*	*Mendota*
Black, Lois Frances	*SS*		‡	*4*	*Urbana*
Black, Robert Overton	*LA*	†	‡	*94*	*Urbana*
Black, William Harold	*S*		‡		*Plymouth*
Blackburn, Frederick Jackson	*Agr*	†	‡	*35½*	*Hillsboro*
*Blackburn, Harry Edmund	*Md*	†		*70*	*Princeton*
Blackburn, Robert Edwin	*Agr*	†	‡	*71½*	*Quincy*
Blackburn, M Elizabeth	*SS*	†			*Greensburg, Pa.*
Blackford, James Allen	*S*	†		*43*	*Potomac*
Blair, Eva Lena	*HSAgr*	†	‡	*101*	*Arthur*
Blackwell, Maud Gwendolyn	*SS*		‡	*9*	*Atwood*
Blair, Hattie Mary	*SS*	†		*6½*	*Salem*
Blaisdell, Edward Brown	*S*	†	‡	*102*	*Fall River, Mass.*
Blake, Benjamin Harrison	*Agr*	†	‡	*34½*	*Fairdale*
Blake, George Washington	*CE*		‡		*Maywood*
Blake, Winifred	*HSAgr*	†	‡	*17*	*Maywood*
Blakeslee, Elmer Frederick	*MSE*	†		*132*	*Lockport*
Blakeslee, Walter Arthur	*ME*	†	‡	*69*	*Kansas City, Mo.*
Blankenship, Jesse	*Agr sp*	†			*Iuka*
Blatherwick, Willfred Francis	*A*	†	‡	*74*	*Vincennes, Ind.*
Blaylock, Robert Earl	*AE*	†			*Murphysboro*
Bleuel, Marie Teresa	*LA*		‡		*Chicago*
Bliss, Helen Eva	*LA*	†		*131*	*Lexington, Miss.*
Block, Elmer Royal	*LA*		‡	*82*	*Champaign*
Block, Frieda Emma Alvina	*LA*	†		*34*	*Champaign*
Bloebaum, Benjamin Harrison	*L*	†		*26*	*Champaign*
Bloom, Carl Wilfred	*CE*	†	‡	*8*	*Omaha, Neb.*
Bloom, Einar Bernhard	*EE*		‡		*Chicago*
Bloom, Elmer Jaques	*LA*	†		*64*	*Peoria*
Bloom, Peter Earl	*Agr*		‡		*Wheaton*
Blough, Earl Blaine	*CE*		‡		*Champaign*
Blough, Heber R	*BLA*		‡		*Goshen, Ind.*
Blum, Walter Joseph	*EE*	†	‡	*39*	*Chicago*
Bluth, Roy Grenville	*A*		‡		*Battle Cr'k, Mich.*
Bock, Paul Theodore	*CE*	†	‡	*73*	*Chicago*

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* Deceased.

Bodenschotz, Frank Nicholas	ME	†		41	Chicago
Boehm, Minnie Caroline	SS	†		5 5-6	Chicago
Boettiger, Louis Angelo	A	†	‡	86	Chicago
Boiselle, Ray	RCE		‡		Hoisington, Kan.
Bokern, Edward Frank	BLA		‡		St. Louis, Mo.
Bolander, Harold Benjamin	EE	†	‡	62	Glen Ellyn
Boldt, August Herbert	ChE	†		8½	Elgin
Boley, Arthur William	SS		‡	5	Olney
Boley, Roy Edward	L		‡	14	Olney
Bollinger, William Nicholas	CE	†		141	Sycamore
Bollman, Minnie Joanna A.B., 1910	Lb		‡		Champaign
Bond, Augusta Eleanor	LA	†	‡	115	Urbana
Bonham, Martha Elizabeth	LA	†	‡	66	Watseka
Booe, Genevieve	LA		‡		Kingman, Ind.
Booker, Jean Aldrich	LA	†	‡	52	Augusta
Bookwalter, Grace May	LA(S10-11)	†	‡	113½	Gardner
Boomer, Cincinnatus	SS		‡	7½	Buncombe
Boon, Elvin Edwards	EE	†		141	Chrisman
Boone, George Ingels	S	†	‡	17	Sidney
Boone, Thomas Chester	L	†		38	Urbana
Boonstra, Samuel P	A sp(S10-11)	†	‡	37½	Lafayette, Ind.
Booze, Macdonald Charles	Cer	†	‡	33½	Sullivan
Booze, Ralph Walker	REE	†	‡	111	Sullivan
Borden, James Glen	A		‡		Hume
Born, Ray	S	†		½	Champaign
Born, Russell	EE		‡		Champaign
Bose, Pavitra Kumar	S	†		138	Mymensingh, India
Bost, Ernest Leslie A.M., 1909	S	†			Greenville
Bostic, Ralph Ray	L sp	†		12	Kansas City, Mo.
Botts, Vesper Garnett	HSLA		‡	12	Prague, Okla.
Boucher, Cecil Francis	A	†	‡	24	Las Vegas, N. M.
Bourassa, Reginald Pierre	A		‡		Westfield, Mass.
Bourdette, Bertha Estelle	LA	†	‡	71½	Urbana
Bouton, Jesse Roe	SS	†		9	Pawnee
Bouton, John Benedict	ME		‡		Berwyn
Bovell, Edgar Allan	Ch	†		26	Paris
Bow, Loren Cushing	CerE		‡		Detroit, Mich.
Bow, Warren Edward	CerE	†	‡	35½	Detroit, Mich.
Bowen, James McKee	Agr	†	‡	31	Neponset
Bowers, Blanche Belle	HSLA		‡		Clinton
Bowers, John Frederick	ME		‡		Elmwood
Bowers, Lester Edward	Md	†		124½	Chicago
Bowlus, Hazel W	LA		‡		Williamsport, Ind.
Bowlus, Marie	Mus		‡		Urbana
Bowman, James Loy	SS		‡		Litchfield
Bowman, Lang Fulton	Md (S11)	†	‡	92	Olney
Boyd, Edith	LA		‡		Sheffield
Boyd, Frances Josephine	LA		‡		Latham
Boyd, Lowell Thaddeus	ME	†	‡	37	Champaign
Boyd, Roland Humphreys	ME	†	‡	48	Sheffield
Boyer, Willis Dudley	Agr sp		‡		Ashmore
Boyer, Walter Howard	CE	†		75	De Soto, Mo.
Boyers, Bessie	HSLA		‡		Decatur, Ind.
Boylan, Archibald L	LA sp		‡		Winchester
Boyle, Matilda	SS	†		6⅓	Clarkdale
Boyle, Ralph Edward	CE	†		73	Champaign
Boyles, Elsie Orena	HSAgr		‡		Ewing

Boys, Thomas Lyle	S	†		156	Streator
Boza, Hector Julio	CE		‡		Lima, Peru
Bradley, Arthur James	A	†	‡	82	Cedar Rapids, Ia.
Bradley, Cedric Cory	EE		‡		Westfield, Mass.
Bradley, Elizabeth Lucinda	S	†		130	Cato, N. Y.
Bradley, Eugene Patrick	ME(S10)	†	‡	108	St. Louis, Mo.
Bradley, Eugenia	LA(S10-11)	†	‡	108½	Loda
Bradley, Harold Smith	AE	†	‡	37	Rockford
Bradley, Tobias Edward	L sp		‡		Peoria
Bradley, Winston William	Agr sp		‡		McComb, Miss.
Bradrick, Lucy Center	LA	†	‡	70	Crescent City
Brady, Edward Michael	S		‡		Anna
Brady, Geneva Wood	Mus sp	†			Champaign
Brady, Joseph Louis	A	†		145½	Keokuk, Ia.
Braeuninger, Ella Christine	LA	†		130½	Champaign
Brainard, Fred	CE	†	‡	33	Asteria, N. Mex.
Brakefield, William Walter	ME	†		49	Chrisman
Braley, Ross Preston	REE	†		142	Harvey
Branch, Emily Ivaloo	LA	†		96	Champaign
Brandenburg, Albert Gilson, Jr	ME	†	‡	37	Kansas City, Mo.
Brandner, Alexander Rudolph	A	†	‡	79	Chicago
Brandon, Edgar Joseph	Agr(S10)	†	‡		Albion
Brands, Edgar Gregory	LA	†		132	Prairie du Rocher
Brandstetter, Joseph Mandel	AE	†	‡	51	Chicago
Brandt, Louis, B.S. (Amherst Coll.) 1910	Mus sp		‡		Champaign
Brannon, George Raymond	Agr		‡		Lowell, Ind.
Brannon, Herbert Franklin	L		‡		Streator
Brant, Chauncey Hezekiah	Agr	†	‡	22½	Hamilton
Brasen, Herbert Spencer	CE	†	‡	75	Chicago
Bratten, Arno	SS	†		4 5-6	Marion
Brayton, Charles William	EE	†	‡	62	Blue Island
Brayton, Dorothy Mae	HSS		‡		Blue Island
Bredehoft, Mabel, A.B., 1909	SS	†			Danville
Breining, Walter Alyn	A	†	‡	31	Indianapolis, Ind.
Bremner, Charles William	CE	†	‡	108	LaGrange
Brennan, Wintress	LA	†	‡	26	Ogden
Bresnahan, George Thomas	Ch	†		28	Sterling
Breton, John Fred	ME	†	‡	47	Chicago
Brewer, Beverly	ME	†		51	Chicago
Bricker, James Irven	SS		‡	7	Saginaw, Mich.
Brier, Burges Buell	SS		‡	6½	Rankin
Briggs, Strother Ambrose	Agr	†		131½	Minier
Brigham, Donald Murray	CE	†		37	Toledo, O.
Bristol, George Clyde	CE sp	†		33½	Chicago
Brittan, Charles W	A (S11)		‡	7	Chicago
Britton, Floyd Evanston	LA	†		35	Mount Olive
Britton, William Everett, A.M., 1910	L		‡		Mounds
Broadbent, Earl Robert	ME		‡		Chicago
Broaddus, Elizabeth Minerva	LA	†		132	Magnolia
Broadhead, William James	Agr	†		87	Sedgwick, Colo.
Broadhurst, Tabitha Jayne	Mus sp		‡		Little Rock, Ark.
Brock, James Samuel	Agr	†	‡	33½	Keithsburg
Brockman, Cornelius Edward	AE (S11)	†		117	Champaign
Brockmeyer, Edwin John	AE	†	‡	76	East St. Louis
Brode, Laurence Partridge	CE (S10)	†	‡	81	Los Angeles, Cal.
Broehl, Wayne Gottlieb	ME	†	‡	37	Pana
Brook, Elizabeth Annie	LA(S10)	†		132⅓	Stronghurst

Brooks, Clara Mabel	*Lb*	†	‡	*33*	*Saunemin*
Brooks, Elizabeth Maude	*LA*	†	‡	*38*	*Urbana*
Brooks, Fannie Marie	*LA*		‡	*63*	*Saunemin*
Brooks, Fred Reynolds	*A (S11)*	†	‡	*27*	*Loogootee, Ind.*
Brooks, George Roland	*Agr*		‡		*Paris*
Brooks, Oscar Franklin	*ME*		‡		*Paris*
Brooks, Raymond Wentworth	*CE*	†		*142*	*Urbana*
Brown, Clifford Allen	*Agr*	†	‡	*52*	*Normal*
Brown, Cornelia Augusta	*SS*	†		*4*	*Canton*
Brown, Edward Sutherland	*Agr*	†	‡	*63½*	*Bloomington*
Brown, Ella Stewart	*LA*	†		*130*	*Rushville, Neb.*
Brown, Elmer Alfred	*EE*	†	‡	*38*	*St. Louis, Mo.*
Brown, Elmer Arthur	*ME*		‡		*Urbana*
Brown, Francis Andrew	*A*	†	‡	*80*	*Champaign*
Brown, Frank Lincoln	*ME sp*		‡		*Macomb*
Brown, Hazel Lynn	*LA*	†		*57⅓*	*Lyons, Ind.*
Brown, Howard Dexter	*Agr*	†	‡	*34*	*Chenoa*
Brown, Hugh Alexander	*EE*	†		*141*	*Urbana*
Brown, James Fearon	*LA*	†	‡	*67*	*Urbana*
Brown, John Bernis	*Ch*		‡		*Rock Falls*
Brown, John Howard	*Agr*	†		*75*	*Paris*
Brown, Lelah	*SS*	†	‡	*34 1-6*	*Hillsboro*
Brown, Leslie Rollison	*LA*	†		*24*	*Mt. Vernon*
Brown, Lloyd Warfield	*LA*		‡		*Jacksonville*
Brown, Loyal Charles	*Agr*	†		*15½*	*Genoa*
Brown, Olive May	*Mus*	†	‡	*39*	*Champaign*
Brown, Pembroke Holcomb	*LA*		‡		*Rockford*
Brown, Ralph Edgar	*Cer(S10)*		‡	*145*	*Hillsboro*
Brown, Roberta Margaret	*HSS(S11)*	†	‡	*42*	*Ashton*
Brown, Russell Warden	*LA(S11)*		‡	*3*	*Marshall*
Brown, Rutherford Hayes	*Agr sp*		‡		*Urbana*
Brown, Verna Louise	*Mus*	†		*42*	*Macomb*
Brown, Waldo Reinhart	*CE*		‡		*Niles Center*
Brownell, Frank Irving	*Agr sp*	†		*12*	*Champaign*
Brownfield, Lelah	*SS*	†		*132*	*Urbana*
Brownlee, Catherine Wyckoff	*Lb (S11)*		‡		*Jerseyville*
Brubaker, Lewis Allen	*A(S10)*	†	‡	*125½*	*Indianapolis, Ind.*
Bruce, Walter Robert	*LA*		‡		*Blue Island*
Bruner, Arthur Abraham	*Md sp*		‡		*Mt. Carmel*
Bruner, Crane Simpson	*CE*	†	‡	*9*	*Urbana*
Bruner, Leonora Sims	*LA*	†	‡	*7*	*Urbana*
Bruner, Mary Viola	*LA*	†		*94*	*Mattoon*
Brunker, Herschel Victor	*Md*	†		*29*	*Riley, Ind.*
Brunkow, Norman Ferdinand	*LA*	†	‡	*38*	*Dubuque, Ia.*
Brunkow, Otto Edwin	*A*		‡		*Dubuque, Ia.*
Brunskill, Everett Robert	*ChE*		‡		*Pontiac*
Brunson, Arthur Maxwell	*Agr*	†	‡	*84*	*Joliet*
Brush, Rapp	*CE*	†		*24*	*Fort Sill, Okla.*
Bryan, Helen Gordon	*Mus sp*		‡		*Champaign*
Bryan, Sarah Elizabeth, A.B., B.L.S.	*Mus*	†	‡		*Champaign*
Bublitz, Walter John	*CE*	†	‡	*39*	*Chicago*
Buchanan, Drayton Bloor	*Agr sp*	†		*7*	*Chicago*
Buchanan, Mary	*SS*	†		*1⅓*	*Carbondale*
Buchanan, Richard Bell	*Agr*		‡		*Joplin, Mo.*
Buchele, Mary Hope	*LA*	†	‡	*34*	*Danville*
Bucher, Ermane Gaylord	*ChE*		‡		*Pontiac*
Buchholz, Ada Lorana	*SS*	†			*Melvin*
Buck, Philip Eliot	*CE*	†	‡	*43*	*Chicago*
Buckingham, Arthur Ward	*CE(S10)*	†		*146*	*St. Louis, Mo.*

Buckler, Carl William	*S*	†	‡	*34*	*Metcalf*
Buckley, Everett Timothy	*Agr sp*		‡		*Kilbourne*
Buckley, Warren Baumann	*L*	†		*23*	*Chicago*
Budina, Adolph Otto	*A*	†	‡	*40*	*O'Fallon*
Buffington, Frank Harris	*EE*	†	‡	*74*	*Middletown, O.*
Buhai, Michael	*AE*	†	‡	*37*	*Chicago*
duBuisson, Johannes Petrus	*Agr*		‡		*Senekal, Orange Free State*
Bulkeley, Oscar Ernest	*CE(S10)*	†	‡	*142*	*Butte, Mont.*
Bull, Maude Emily	*HSAgr*		‡		*Union Grove*
Bullard, Edward Wesley	*CE*	†	‡	*72*	*Mechanicsburg*
Bullard, Geraldine Alice	*LA*	†	‡	*47*	*Mechanicsburg*
Bullock, Walter Llewellyn	*SS*		‡		*Chicago*
Bulot, Francois Henri	*MSE*	†	‡	*75*	*Chicago*
Bumgarner, Irma Marie, A.B., 1909	*SS*		‡		*McNabb*
Bumstead, Alice Amelia	*HSAgr*	†	‡	*41*	*Dundee*
Bumstead, Ernest Edward	*LA*		‡		*Dundee*
Bundy, Carrol Edwin	*EE(S10)*	†		*50*	*Iroquois*
Bunge, Ralph William	*ME*	†	‡	*71*	*Chicago*
Bunn, Nixon Lawrence	*CE(S10)*	†	‡	*67*	*Springfield*
Bunting, Chas Antrim deKrafft	*ME*	†		*142*	*Quincy*
Bunting, Lyman Jesse	*Agr*	†	‡	*32*	*N. Yakima, Wash.*
Burg, Bernhard Benjamin	*EE(S10-11)*	†	‡	*15½*	*Chicago*
Burger, Howard E	*BLA*	†	‡	*8*	*Woodstock*
Burgess, Carrie Vesta	*S*	†	‡	*30*	*Dundee*
Burgess, Thomas Godfrey	*CE*	†	‡	*106*	*Aurora*
Burke, Frank Dixon	*EE*	†	‡	*32*	*Orizaba, Mexico*
Burke, Ralph	*ME*	†	‡	*37*	*Three R'rs, Mich.*
Burnett, Don Whiteside	*Agr sp*	†		*6*	*Urbana*
Burns, Ardean	*Agr*		‡		*Chicago*
Burns, Cyril Agard	*L*	†		*42*	*Fairbury*
Burns, Franklin Barnhart	*A*		‡		*Grd.Rapids,Mich.*
Burns, Joe Kossuth	*EE*	†		*143*	*Greenview*
Burns, Ruth Mitchell	*LA*	†		*130*	*Macomb*
Burns, William Earl	*EE*	†			*Amboy*
Burrell, Ethel North	*LA(S10)*	†		*130⅓*	*Cincinnati, O.*
Burruss, Ninian Ross	*Agr*	†	‡	*30*	*Carlton*
Burstrom, Stephen William	*EE(S11)*	†	‡	*106½*	*Albion, O.*
Burt, John Little	*EE*	†		*131*	*Hamilton, Ont.*
Burroughs, Jennie	*SS*	†		*6*	*Normal*
Burton, Clyfton Earnest	*CE(S11)*			*3*	*French Lick, Ind.*
Burton, Charles William	*LA*	†	‡	*61*	*Edwardsville*
Burton, Earl K	*CE*	†		*141*	*Champaign*
Burton, Laurence Vreeland	*ChE*	†		*106½*	*Aurora*
Burwash, Arthur Ernest	*Agr*	†	‡	*138½*	*Savoy*
Burwash, Clarence Fletcher	*Agr*	†	‡	*81½*	*Champaign*
Burwash, Mabel Estella	*LA*	†	‡	*90*	*Champaign*
Burwash, Mary Gladys	*LA*	†	‡	*70*	*Savoy*
Burwash, Thomas Clifford	*BLA*	†	‡	*27*	*Champaign*
Buschmann, Louis Herm. Adrian	*LA(S11)*	†	‡	*80*	*Champaign*
Busey, Frances Artemisia	*Mus sp*	†			*Urbana*
Busey, Garetta Helen	*SS*	†		*4*	*Urbana*
Busey, Harold Karcher	*Agr sp*		‡		*Champaign*
Busey, Josephine Kathryn	*LA(S10)*		‡	*4*	*Urbana*
Busey, Lettie Louise	*Mus*	†		*29½*	*Urbana*
Busey, Nora John	*Mus*		‡		*Urbana*
Busey, Mrs. Verna Kerker	*Mus*	†	‡	*66½*	*Urbana*

Bush, Frank Avery	*LA*		‡		*Peoria*
Bush, Kenneth Burman	*CE*	†	‡	*37*	*Quincy*
Bushnell, Allen Bynner	*L*	†		*84*	*Urbana*
Busse, Henry Herman	*BLA*	†	‡	*8*	*Chicago*
Butler, Crillis Newton	*S (S10)*	†		*116*	*Chicago*
Butler, George Howland	*CE*		‡		*Chicago*
Butler, Jewell Cecil	*EE*	†	‡	*37*	*Havana*
Butler, Paul	*Agr*	†			*Hinsdale*
Butler, Roland Glenn	*ME*	†	‡	*117*	*Urbana*
Butler, William Glenn	*Agr*	†	‡	*37½*	*Cairo*
Butt, Harley Marion	*CE*	†	‡	*37*	*Gilson*
Butters, Howard Monreau	*ME*	†		*143*	*Chicago*
Buttonmaker, Mark Adolph	*Ch E*	†	‡	*32*	*Chicago*
Butzer, Byrdie Blye	*HSLA*		‡		*Urbana*
Butzer, Glenn Douglas	*CE*	†	‡	*113*	*Urbana*
Butzer, Verna Viola	*HSLA*		‡		*Urbana*
Buxton, Stanley Gerald	*Agr*		‡		*Wingate, Ind.*
Buyers, Donald Erskine	*ME*		‡	*117*	*Sterling*
Buzick, James Clive	*A*	†	‡	*33*	*Champaign*
Bye, Herbert William	*LA*	†	‡	*33*	*Chicago*
Byrd, Richard Leslie	*Agr*	†			*Rossville*
Byrne, Helen Cecelia	*LA SS*	†		*37⅔*	*Chicago*
Byrnes, James Edward	*Agr sp*		‡	*21½*	*Evanston*
Byron, Lester Arthur	*AE*		‡	*81½*	*Peoria*
Cade, Albert Frederick	*REE*	†	‡		*Belle Fourche, S. Dak.*
Cadogan, George Henry	*Agr*	†		*97½*	*Quincy*
Cadwallader, Alfred	*LA sp*		‡		*Bushnell*
Cahalen, Joseph Daning	*ChE*		‡		*Lenox Dale, Mass.*
Cahn, Norman William	*Agr sp*		‡		*Chicago*
Caldwell, Brice John	*EE*	†		*145*	*Champaign*
Caldwell, Charles Edwin, Jr.	*S*	†		*130*	*Chicago*
Caldwell, Lloyd Raymond	*Agr sp*		‡		*Neoga*
Caldwell, Will Carlton	*AE*	†		*153½*	*LaGrange*
Caley, Floy E	*LA*	†		*133*	*Champaign*
Caley, Mary Clellah	*LA(S10)*	†		*131 1-6*	*Champaign*
Callagan, Cora Annabelle	*Mus*	†		*9*	*Sheridan*
Callahan, William Joseph	*ME*		‡		*Urbana*
Camp, Willard Russell	*LA*	†		*135*	*Bement*
Campbell, Arthur Harvey	*AE(S11)*	†	‡	*78½*	*Macomb*
Campbell, Grace Amelia	*LA*	†	‡	*63*	*Urbana*
Campbell, Lee Francis	*Agr sp*	†		*1*	*Marissa*
Campbell, Mrs. Mabel Schadt	*HSAgr*	†		*30⅓*	*Urbana*
Campbell, William Hemphill, A.M., 1910	*SS*	†			*Marissa*
Canfield, Ruth Mae	*LA*		‡	*28*	*Holton, Kan.*
Cannaday, Will M, Jr	*L*	†	‡	*28*	*Danville*
Cannon, Fermor Spencer	*A (S10)*	†		*147*	*Indianapolis, Ind.*
Capek, Ladeslav Vaclav	*EE*	†		*139*	*Chicago*
Carlson, Arnold Willmore	*CE*		‡		*Chicago*
Carlson, Carl Bernard	*EE*		‡		*St. Charles*
Carlson, Charles Algot	*ME*	†		*138½*	*Chicago*
Carlson, Morton Russell	*Agr*	†	‡	*129½*	*Moline*
Carlson, Paul	*CE(S10)*	†		*172*	*Lindsborg, Kan.*
Carmichael, Herbert Baird	*Agr*	†		*28½*	*Eaton, Ind.*
Carmichael, Wilbur Jerome	*Agr*	†	‡	*78½*	*Rochelle*
Carney, Clara Kathleen	*HSAgr*		‡		*Marseilles*
Carney, Lydia Zerviah	*SS*		‡	*8*	*Charleston*
Carney, Mary Vance	*SS*		‡	*9*	*Marseilles*

Carney, Valentine Daniel	Agr	†		51½	Charleston
Carpenter, Charles Kneeland	A		‡		Faribault, Minn.
Carpenter, Lewis Moffit	SS	†	‡	26	Lena
Carpenter, Niles	BLA	†		52	Evanston
Carr, Charles Trem	L	†		23	Trenton
Carr, Melville Brown	Agr	†	‡	12½	Scales Mound
Carr, Ren W	Agr	†		40½	Armington
Carr, William Charles	Agr	†	‡	75	Chicago
Carrero, Jose Oriol	ChE(S10)	†	‡	116	Mayaguez, P. I.
Carrier, Adela Pauline	Mus(S11)	†	‡	30	Urbana
Carrier, Gerald Vincent	LA	†	‡	33	Urbana
Carroll, Lee Joseph	BLA sp		‡		Chicago
Carroll, Nelle Marguerite	Mus sp	†		4	Colo. Spgs, Colo
Carruthers, Mary	HS Agr		‡		Ava
Carson, Harry Young	MSE	†		148	Danville
Carson, Helen Foster	LA		‡		Springfield
Carson, Roy Porter	ME	†	‡	5	Peoria
Carson, Warren Finley	Agr sp	†		2½	Oakdale
Carter, Alice	HSLA		‡		Evanston
Carter, Donald Hummer	ChE	†	‡	29	DeLand
Carter, Isaac Ray	LA	†	‡	34	Rossville
Carter, Lloyd Talley	Agr sp		‡		Medora
Carter, Roy Rudy	CE	†	‡	133	Jacksonville
Carter, Walter Clark	LA	†	‡	10	Gays
Cartwright, Sarah Blanche E	HSS	†	‡	91	Upper Alton
Cartwright, Charles F	CE	†		111	Collierv'le, Tenn.
Cartwright, Victor Harold	CerE(S11)	†	‡	82	New Harmony, Ind.
Case, Charles Dennis	EE	†		14	Chicago
Case, Elizabeth Maude	SS		‡		Charleston
Case, Flora Margaret	LA(S10)	†	‡	33	Urbana
Case, Harold Clayton M	Agr(S11)	†	‡	87½	Urbana
Case, John Ruggles	Agr	†	‡	70½	Evanston
Case, Roy Lawrence	SS		‡		Ogden
Casey, Howard	CE(S10)	†		63	Mt. Vernon
Casey, Isabel	S	†		16	Pana
Casey, Sylvia Nettie	Mus sp		‡	8	Woodstock
Cash, Harold Smith	Agr	†	‡	111½	Harvard
Casner, Sydney	LA	†	‡	34	Chicago
Cass, Cassie	SS		‡		Sidell
Cass, Elizabeth Henrietta	Lb	†	‡	133	Chicago
Cass, Sherman	LA(S10-11)	†		146	Sidell
Casserly, Joseph Bernard	RME	†		41	Champaign
Cassingham, Florence Adelaide	LA	†	‡	69	Champaign
Casteel, Grace Mae	SS		‡	5	Fithian
Castle, Ora Blanche	LA		‡		Urbana
Caswell, Percy Alexis	A	†	‡	30	Chicago
Cate, Hubert Arthur	Agr	†	‡	73	Champaign
Cathcart, Robert Irl	ME	†	‡	29	DeLand
Catlett, Roland John	Agr	†	‡	35½	Welsetka, Okla.
Cattron, Conrad Lee	Agr	†	‡	65	Ellisville
Cattron, Thomas H	EE(S10-11)	†	‡	87	Ellisville
Cecil, Eugene	ME(S10)	†	‡	33	Champaign
Cecil, Jessie Isabel	LA sp	†		40	Buda
Cerrezin, Michael S	LA sp		‡		New Orleans, La.
Challand, Grace	S	†		137	Shabbona
Chamberlain, Lucius Orville	RCE		‡	113	Champaign
Chambers, Chester Raymond	Agr	†		160½	Pierson Station
Chambers, William Harold	Agr		‡		Evanston
Champion, Edwin Van Meter	L	†	‡	57	Mansfield

Chand, Hari	*Me sp*		‡		*Sial Kote, India*
Chandler, Zachariah Eli	*BLA*	†			*Sycamore*
Chanenson, Louis	*EE*	†		*50*	*Chicago*
Chang, Kouchow Ting-Chin	*SS*	†		*6*	*Wusik, China*
Chang, Vun-din Chinzun	*Agr(S10-11)*	†	‡	*175*	*Shanghai, China*
Chapin, Charles Cox	*Md*		‡		*Champaign*
Chapin, William Newton	*Agr sp*		‡		*Lombard*
Chapman, Clyde Harris	*Agr sp*	†			*Marseilles*
Chapman, Denison Williams	*CE*	†	‡	*108*	*Chicago*
Chapman, Edward Neal	*ChE*		‡		*Chicago*
Chapman, Ralph Dwyer Clinton	*BLA*		‡		*Vienna*
Charni, Hazel DeEtte	*LA*	†	‡	*55*	*Brookville, Ind.*
Chartrand, John Baptist	*EE*	†	‡		*East St. Louis*
Chase, Dean	*MSE*	†	‡	*42*	*St. Louis, Mo.*
Chase, Frank Maxwell	*Agr(S10)*	†		*61½*	*Harvard*
Chase, Katherine Trusdell	*LA*	†	‡	*33*	*Rock Island*
Chase, Paul Norman	*Agr*	†		*54½*	*Aurora*
Chavous, Arthur Melton	*EE*	†	‡	*120*	*Columbus, O.*
Checkley, Joseph Harvey	*Agr*	†	‡	*69*	*Mattoon*
Chen, Huang	*ChE*	†	‡	*80*	*Canton, China*
Chen, King Yaou	*Ch(S10-11)*	†	‡	*72½*	*Shanghai, China*
Cheney, Howard Lovewell	*A*	†	‡	*112½*	*Chicago*
Chenoweth, Homer Eldon	*LA*	†	‡	*68*	*Charleston, O.*
Cherkowsky, Moriss Waldemar	*Md*	†		*45*	*Milwaukee, Wis.*
Chesrown, Leo Morelle	*CE*	†	‡	*37*	*Olney*
Chien, Sung Shu	*Agr(S11)*	†	‡	*41*	*Shanghai, China*
Chesnutt, Ralph Cookman	*ME*		‡		*Chicago*
Chipps, Alta Fern	*LA*	†	‡	*107*	*Sullivan*
Chipps, Paul L	*BLA*	†	‡	*22*	*Sullivan*
Chow, Hou-Kun	*RCE(S11)*	†		*85*	*Wushih, China*
Chow, Lun Yuen	*ME*		‡		*Ningpo, China*
Christopher, Bessie Fern	*HSAgr*	†	‡	*28*	*Auburn*
Christopher, Mabel	*LA*		‡		*Urbana*
Christy, Glen	*EE*	†	‡	*30*	*Harrisburg*
Chu, Co-ching	*Agr(S11)*	†	‡	*73½*	*Shanghai, China*
Chu, Vee Gih	*ChE(S10)*	†	‡	*63*	*Shanghai, China*
Chuang, Tsin	*AE(S11)*	†	‡	*65*	*Shanghai, China*
Chumley, Edith Bland	*SS*	†		*11½*	*Springfield*
Churchill, Clarence Farnsworth	*Agr*		‡		*Chenoa*
Churchill, James Errol	*EE*	†	‡	*37*	*Mt. Carmel*
Claar, Elmer Allen	*LA*		‡		*Moline*
Claflin, Stephen Thurston	*ChE*	†	‡	*31*	*Lombard*
Clampitt, Edwin James	*LA*		‡		*Wilmette*
Clapp, Howard Campbell	*LA*		‡		*Danville*
Clare, William Henry	*A*	†	‡	*93*	*Glen Ellyn*
Clark, Anson Luman	*ME(S10)*	†		*61*	*Chicago*
Clark, Chester Arthur	*Agr*	†	‡	*35½*	*Carthage*
Clark, Clifton Wirt	*MSE*		‡		*Chicago*
Clark, Ernest McChesney	*Agr*	†	‡	*71*	*Urbana*
Clark, Harold Turner	*SS*		‡	*2½*	*Champaign*
Clark, George E	*SS*	†		*2*	*Kilbourne*
Clark, James Russell	*ME*	†	‡	*36*	*Chrisman*
Clark, James Russell	*LA*		‡		*Champaign*
Clark, Percy Ellis	*A*	†		*31*	*Windsor, Mo.*
Clark, Robert Fulton	*Agr*	†	‡	*27½*	*Mansfield*
Clark, William Gladstone	*Agr*	†	‡	*111½*	*Carthage*
Clarke, David Roland	*LA*	†	‡	*31*	*Jacksonville*
Clarke, Ethel	*HSS*		‡	*61*	*Noblesville, Ind.*
Clarke, Helen Beulah	*HSAgr(S11)*	†	‡	*58*	*Urbana*
Clarke, Robert Raymond	*REE*	†	‡	*111*	*Noblesville, Ind.*

Clarke, Philena	LA	†		131	Noblesville, Ind.
Clarkson, Albert Jay	EE		‡		Champaign
Clarno, Harry T	Agr		‡		Farmer City
Clausen, Elizabeth Johanna	HSAgr	†	‡	16	Chicago
Claussen, Arthur William	ME	†	‡	70	Chicago
Clauson, Clara Alice	LA		‡		Secor
Clawson, Clayton Willard	SS		‡	7½	Veedersburg, Ind.
Clawson, Kenneth Raymond	A	†		30	Atlanta
Clayberg, Harold Dudley	Md	†	‡	55	Oak Park
Claycomb, Edward Denman	LA		‡		Sycamore
Claycomb, George Black	SS		‡	9	Geneseo
Cleave, Scott William	Agr	†		133½	Ottawa
Clegg, Isabel	HSAgr	†	‡	23	Ottawa
Cleghorn, Leila Belle	LA	†	‡	41	Kankakee
Clements, Olen Robert	LA	†	‡	27	West Union
Clemmons, Lynne Chedister	BLA		‡		Virden
Clemons, Lewis Taylor	S		‡		Pawpaw
Clendenin, Adda May	LA		‡		Sparta
Click, Ralph Raymond	Md		‡		Jamestown, Ind.
Climer, Mary Ella	LA	†		67	Palestine
Cline, Bessie Florence	LA	†		99	Monticello
Cline, Irl Reuben	CE		‡		Jerseyville
Cline, Lawrence A	CE	†	‡	37	Marion
Cline, Marie Pauline	HSLA	†		53	Chicago
Clink, Bertha May	SS	†			Pueblo, Colo.
Clover, Ira Newton	MSE		‡		Gardner
Clow, Raymond Delos	ME	†		82½	Crystal Lake
Clyman, David	AE		‡		Chicago
Clyne, Kathleen Marcella	LA	†	‡	81	Maple Park
Coad, Bert Raymond	SS	†		4	Murphysboro
Cobb, Charles Carroll	ME	†		149 5-6	Chicago
Cochran, Ernest John	ME	†		8	Chicago
Cochran, Everette Lynn	A		‡		Flora, Ind.
Cochran, Harry Rusling	ChE	†	‡	73	Sterling
Cochran, Warren Baldwin	SS		‡	32½	Wichita, Kan.
Cockrell, Francis Marion	SS	†		78½	Marshall
Codlin, Harry Ellsworth	Agr	†	‡	29½	Chenoa
Coe, Helen Louise	Mus		‡		Springfield
Coen, Eleanor	LA	†		9	Normal
Coffey, Elmer Washburn	EE	†	‡	68	Blue Island
Coffey, Hazel Belle	LA	†	‡	27	Blue Island
Coffey, Joel Simmons	Agr(S10)	†	‡	104½	Hope, Ind.
Cogdall, Harry Frank	Agr		‡		Chicago
Cogswell, George Owen	AE	†		148	Champaign
Cogswell, Robert Coman	AE	†		142	Champaign
Cohn, Alexander	Md	†	‡	31½	Chicago
Colbert, James Rubin	LA	†	‡	30	Fairfield
Colbert, Tel Eli	SS		‡	7½	Washington
Colcord, Frank Maynard	Agr	†	‡	28½	Greenville
Cole, Guerney Hill	EE(S11)	†	‡	78	St. Louis, Mo.
Cole, Hugh Leon	LA		‡		Geneseo
Coleman, Howard Jay	Agr sp		‡		Mazon
Coleman, Oren	SS		‡	6	Carterville
Coles, Max Nathan	EE	†		48	Wendell, Idaho
Collier, Jennie Ethel	HSS	†		21	Bethany
Collins, Clifford Warren	LA		‡		Barry
Collins, Lucy Nellie	LA		‡		Chicago
Collom, Isabel Eva	HSLA		‡		Urbana
Collom, Mary Elizabeth	HSS		‡		Urbana

Colombo, James Henry	*BLA*	†	‡	*54*	*Herrin*
Colson, Harold Edward	*Agr*		‡		*St. Charles*
Colton, Russell Smith	*MSE*	†		*38*	*Kansas City, Mo.*
Colville, John Robert	*EE*	†	‡	*111*	*Galesburg*
Colvin, Carl	*Agr*	†	‡	*113½*	*Olney*
Colvin, Ernest Marks	*ME*	†		*68½*	*Urbana*
Colvin, Jay Austin	*BLA*	†	‡	*60*	*Chicago*
Colwell, Miles Gilbert	*CE*	†	‡	*32*	*Wyoming*
Combe, Eleanor Marie	*LA(S10)*	†	‡	*64*	*Highland*
Comstock, Daniel Franklin	*EE*		‡		*Evanston*
Comstock, Helen Belle	*HSLA*		‡		*LaGrange*
Conboy, Lourde Joseph	*EE*	†	‡	*36*	*Sterling*
Condit, Charles Clinton	*SS*		‡	*8*	*Gibson*
Condit, Roy Willoughby	*L*	†		*50*	*Urbana*
Condon, John Matthew	*Agr sp*		‡		*Chicago*
Condon, Margaret Adele	*LA*		‡		*Sheffield*
Conefry, Hal Wynan	*BLA*		‡		*LeRoy*
Confesor, Valentin	*EE*	†	‡	*114*	*Cabatnan, P. I.*
Conibear, Florence Mary	*HSAgr*		‡		*Morton*
Conley, Josephine V	*LA*	†	‡	*66*	*Streator*
Connard, Arthur Foster	*ME*	†	‡	*107*	*Decatur*
Connard, Walter Harold	*Agr*	†		*55½*	*Elwin*
Connell, Edwin Lewis	*EE*	†	‡	*109*	*Joliet*
Connelly, Martin Francis	*CE(S10)*	†		*146*	*Chicago*
Connor, Victor Oaks	*L*	†		*13*	*Newton*
Connor, Carl Joseph	*SS*	†		*55*	*Newton*
Connors, Stephen Wilfred	*Md*		‡		*Monroe, Wis.*
Conover, Charles Sanderson	*LA*	†		*27*	*Maroa*
Conrad, Cassius Bannister	*BLA*	†	‡	*62*	*Sycamore*
Conrad, Oren Ray	*SS*		‡	*9*	*Vandalia*
Consoer, Meta	*LA(S11)*		‡	*6*	*Oak Park*
Constant, Herbert Harper	*ME(S10)*	†	‡	*105½*	*Springfield*
Conway, John Robert Lynch	*CE*	†		*35*	*Peoria*
Cook, Clifton	*Agr*	†	‡	*51½*	*Odin*
Cook, Harold Hemenway	*Agr*		‡		*Steward*
Cook, Jessie Gordon	*LA*	†		*34*	*Atwood*
Cook, Samuel Sampson	*RCE*	†		*153½*	*Clinton, Ia.*
Cook, Sylvester Irving	*SS*	†		*3*	*Rantoul*
Cooke, Delmar Gross	*LA*	†	‡	*95*	*Piper City*
Cooley, Harry B	*AE(S11)*		‡	*9*	*Chadron*
Cooley, Norma	*LA(S11)*	†	‡	*101*	*Maywood*
Coolidge, Edwin Ray	*EE*	†	‡	*74*	*Winnebago*
Coolidge, Richard Newell	*CE*		‡		*Lead, S. Dak.*
Coon, Benjamin Harrison	*SS*	†		*5*	*Ludlow*
Cooper, Cedric L M	*LA*	†	‡		*East St. Louis*
Cooper, Edward Alden	*ME*		‡		*LaGrange*
Cooper, Kenneth Lupton	*CE*	†	‡	*12*	*LaGrange*
Cooper, Mark Ament	*BLA*	†	‡	*131*	*Farmingdale*
Cooper, Percy Fennimore	*ME*	†	‡	*37*	*Waldron*
Cooper, Verna May	*LA*		‡		*Moline*
Cope, Walter Allen	*Agr*	†	‡	*76½*	*Polo*
Copenhaver, Murray	*Agr*	†	‡		*Joliet*
Copley, Beatrice Virginia	*LA*		‡	*71½*	*Princeville*
Corbet, Howard Harden	*Agr(S10)*	†		*17½*	*Princeville*
Corbett, Maude Irene	*SS*	†		*116*	*Elgin*
Corbey, Leon Joseph	*A(S11)*	†	‡		*Urbana*
Corbly, George Youle	*Agr*		‡		*Urbana*
Corbly, Lynn	*LA*		‡	*75*	*Evanston*
Corke, George Raymond	*EE*	†	‡		*Webb City, Mo.*

Corl, James Daugherty	*Agr*		‡	*64½*	*Tonti*
Corlett, Gertrude	*Mus*	†		*12*	*Chicago*
Corley, Howard	*CE*	†	‡	*72*	*Decatur*
Corley, Seymour	*CE*		‡		*Decatur*
Cortis, Frederick Boyden	*LA*	†	‡	*68*	*Hinsdale*
Corzine, Clorah Eileen	*SS*		‡	*2½*	*Jonesboro*
Corzine, Harland Winn	*EE(S10)*	†	‡	*108½*	*Charleston*
Corzine, Jesse Lynn	*LA*	†	‡	*28*	*Anna*
Costar, Lloyd	*Agr*	†	‡	*70½*	*Chico, Cal.*
Costello, Marguerite Helen	*HSLA*	†	‡	*30*	*Austin*
Couch, Edward Branson	*SS*	†		*17*	*Peoria*
Coultas, Wilbur John	*EE*	†		*59½*	*Winchester*
Coulter, James Henry	*CE*	†	‡	*115*	*Pittsfield*
Council, Hardy Ed	*Agr*	†		*5*	*Elkhart*
Coventry, Sarah	*Lb(S11)*				*Edwardsville*
Covey, Arete Caroline	*LA*	†	‡	*41*	*Farmer City*
Cowell, William Harold	*Ch*		‡		*Lawrence, Kan.*
Cox, Anna Ethel	*LA*		‡		*Sandwich*
Cox, Claude Gaylord	*Agr*	†	‡	*34*	*Macomb*
Cox, Joseph Gilroy	*ME*		‡		*Little Rock, Ark.*
Cox, Henry Lee	*SS*	†		*107*	*Hillsboro*
Cox, Leonard Burford	*Md*	†		*12*	*Cairo*
Coyle, Harry Boies	*Agr*	†		*24*	*Gridley*
Crabb, Warren Willis	*Agr*	†	‡	*27½*	*Delavan*
Craft, Glenn Ewing	*Agr*		‡		*Burlington*
Craig, Hazel Iona, A.B., 1910	*Mus*	†	‡		*Champaign*
Craig, Jennie Adah, A.B., B.L.S.	*Mus*	†			*Champaign*
Craigmile, Charles James	*CE(S11)*	†	‡	*71*	*Rantoul*
Craigmile, Charles Samuel	*EE*	†	‡	*40*	*LaGrange*
Crain, Chester McElfresh	*BLA*	†		*51*	*Urbana*
Crain, Mary	*SS*	†		*5*	*Urbana*
Crane, Eva Retta	*LA*	†		*139*	*Rantoul*
Cranston, Donald Julius	*Agr*	†			*Gibson City*
Crapnell, Clay Everett	*Agr(S10)*	†		*139*	*Joy*
Crawford, Chalmers Woodruff	*LA*		‡		*Pontiac*
Crawford, Harold Hamilton	*A*	†	‡	*104*	*Rochester, Minn.*
Crawford, Helen Lucile	*S*		‡		*Shawnee, Okla.*
Crawford, Luvern Henrietta	*LA (S11)*	†	‡	*101*	*Champaign*
Creighton, Edward Woodin	*LA*	†		*38*	*Fairfield*
Creighton, Mary	*LA*		‡		*Urbana*
Creighton, Mary Elizabeth	*HSAgr*		‡		*Phoenix, Ariz.*
Creighton, James Millar	*L*		‡		*Oak Park*
Cress, James Washington	*Agr*	†		*132½*	*Hillsboro*
Criss, Edward	*SS*	†		*4½*	*Hull*
Crist, Edward Bernard	*ME*	†	‡	*75*	*Waukegan*
Crittenberger, George Dale	*LA*	†	‡	*33*	*Anderson, Ind.*
Croce, Michele Francesco	*Ch*		‡		*Panni-Foggia, Italy*
Crockatt, Charles Campbell	*AE*	†		*38*	*Chicago*
Croll, Paul Revere	*Ch*	†	‡	*75*	*Beardstown*
Cromwell, William Foree	*ME*		‡		*Frankfort, Ky.*
Cronin, Joe Francis, Jr	*SS*	†		*11*	*Rockville, Ind.*
Cronk, Clara Gladys	*HSAgr*	†	‡	*38*	*Birmingham, Ala.*
Crook, Albert Bracket	*Agr*	†			*Prophetstown*
Crooks, Harold Fordyce	*ME*	†	‡	*87*	*Chicago*
Crosby, Carroll Stephen	*MnE*	†		*17*	*Chicago*
Crosby, Henry Fay	*Agr sp*		‡		*Champaign*
Crose, John Otis	*Agr*	†	‡	*24*	*Thorntown, Ind.*
Cross, Mayme	*SS*		‡		*Neoga*

Crossland, George Marshall, A.B., 1901	*BLA*		‡		*Sheldon*
Crossland, Viola June	*HSAgr(S11)*	†	‡	*52*	*Sheldon*
Crouch, Willard Slayton	*Agr*	†		*46*	*Cohocton, N. Y.*
Crow, DeWitt Smith	*MnE(S10)*	†	‡	*40*	*Chatham*
Crow, William Leslie	*LA(S10-11)*	†	‡	*99 5-6*	*Chatham*
Crowder, Benjamin Harrison	*L*	†	‡	*31*	*Bethany*
Crowe, Robert Burbank	*A*	†	‡	*20*	*Columbus, Ind.*
Crump, Laurence Edward	*Agr*		‡		*Flora*
Cruse, Milton	*LA*	†		*62*	*Sterling*
Cryder, Lewis Sherrill	*Agr*	†		*73*	*Minooka*
Crutchfield, Mary Eliza	*SS*		‡	*3*	*Chicago*
Cruzon, Myrtle Amy	*SS*		†	*8*	*Mattoon*
Culp, John Dewitt	*EE*		‡		*Chicago*
Cummings, Harold Lane	*BLA*		‡		*Clinton*
Cummings, Preston Wirum	*ME*	†		*148*	*Buda*
Cundiff, Franklin DeVaughn	*A*	†	‡	*23*	*Jackson, Tenn.*
Cunningham, Thomas Albright	*BLA*	†	‡	*61*	*Rossville*
Currier, Donald Eugene	*Agr*		‡		*Aurora*
Curry, William Levi	*EE*	†	‡	*14*	*Camp Point*
Curtis, Florence Rising	*LA*	†		*142½*	*Ogdensburg,N.Y.*
Curts, Harry John	*EE*	†		*25*	*Carthage*
Cushing, Donald Frederick	*BLA*		‡	*20*	*Champaign*
Cushman, Ralph Farnsworth	*Agr sp*		‡		*Sylvania, O.*
Cuthbert, Dorothy Lucile	*LA*		‡		*Gilsun, N. H.*
Cutler, John	*ME*	†	‡	*33*	*Pana*
Cutshall, Rudolph Walter	*AE*	†	‡	*60*	*Brazil, Ind.*
Cutting, Harold Stothard	*ME*		‡		*Rockford*
Cylkowski, Vincent D	*CE*		‡		*Chicago*
Czapler, Max	*Agr*		‡		*Chicago*
Dace, Fred Edwin	*EE*	†	‡	*37*	*Rushville*
DaCosta, Harold Fonseca	*LA*		‡		*Chicago*
Daehler, Oscar	*Agr sp*	†		*71½*	*Chadwick*
Dahringer, Homer Walston	*CE*	†	‡	*75*	*Waukegan*
Dalbey, Everett Leslie	*L*	†	‡	*63*	*Muncie*
Dalbey, Will Edward	*Agr*	†		*52*	*Taylorville*
Dale, Hervey Miller	*BLA*	†	‡	*72*	*Winnetka*
Dalenberg, Peter	*AE*	†		*143*	*S. Holland*
Dallenbach, John Henry	*EE*	†	‡	*40*	*Champaign*
Dallenbach, Louis Edwin	*S*	†	‡	*110*	*Champaign*
Dalton, Arthur Ansel	*EE*		‡		*Elmwood*
Daly, Helen	*LA*	†		*33*	*Monmouth*
Daly, Samuel Lester	*A*	†	‡	*67*	*Metropolis*
Daly, Thistle Margaret Agnes	*LA*		‡		*Urbana*
Dammers, John William	*S (S11)*	†	‡	*37*	*Chicago*
Dang, Jer-Yen	*RME(S10)*	†	‡	*33½*	*Kwangsi, China*
Danielson, Aden Andrew	*Agr*	†	‡	*35*	*Leland*
Danielson, Ralph Raymond	*Cer*	†	‡	*32*	*Chicago*
Danz, Harry Otto	*ME*	†	‡	*37*	*Peru*
Darling, Laverne Henry A.B. *(Eureka Coll.)* 1894	*SS*	†		*6*	*Fairbury*
Darrah, Howard Alexander	*LA*		‡		*Champaign*
Darrah, Juanita Elizabeth	*S*	†	‡	*73*	*Champaign*
Darrow, Edna Rose	*Lb*		‡		*Oberlin, Kan.*
Dauberman, Margrete Lucile	*LA*		‡		*Mansfield*
Daugherty, Hale Plahn	*BLA*	†	‡	*31*	*Peoria*
Davenport, Alice Victoria	*LA*		‡		*LaMoille*
Davies, Harold Earl	*Agr*	†		*47½*	*Maywood*
Davies, Raymond Evan	*Md*	†	‡	*37*	*Bement*

Davis, Allen Winslow	*Agr*	†	‡	*72*	*Maywood*
Davis, Arnold Eaton	*Agr*	†		*35*	*Lavonia, N. Y.*
Davis, Charles Ernest	*BLA*	†		*8*	*Urbana*
Davis, Chester E	*Agr sp*		‡		*Urbana*
Davis, Chester Watson	*Agr*	†	‡	*88*	*Holton, Kan.*
Davis, Elizabeth Hamilton	*Lb*	†		*31*	*Carbondale*
Davis, Ethel Brown	*LA*	†	‡	*15*	*Pesotum*
Davis, George Elmer	*Agr*	†	‡	*45*	*Oregon*
Davis, Harold Eskridge	*A*		‡		*Chicago*
Davis, Howard Scott	*EE (S10)*	†		*92*	*Vandalia*
Davis, Ida Belle	*LA*	†		*150*	*Champaign*
Davis, Joel Thomas	*L (S10)*	†		*61*	*St. Joseph*
Davis, John Walker	*CE*	†	‡	*110*	*Poseyville, Ind.*
Davis, Mallie Leona	*LA*	†	‡	*65*	*Fairmount*
Davis, Paul Newhall	*Agr*		‡		*Arlington Hghts.*
Davis, Reba	*Lb*	†		*66*	*Emmonsburg, N.D.*
Davis, Samuel Sylvester	*Agr*		‡		*Newport, Ind.*
Davis, Thatcher Frank	*Agr*		‡		*St. Louis, Mo.*
Davis, William Gladstone	*Agr sp*		‡		*Charleston*
Davison, Ruth Leone	*LA*	†		*65*	*Marshall*
Dawson, Clarence Walter	*Agr*	†		*73*	*Urbana*
Dawson, Francis Anderton	*MSE sp*		‡		*Reynolds*
Dawson, Helen Mamie	*LA*		‡		*Morris*
Dawson, Ruth A.B. *(DePauw Univ.)* 1910	*Lb*		‡		*Ockley, Ind.*
Day, Clifford William Lucius	*L*	†	‡	*29*	*Peoria*
Day, Phillmer Wymond	*ChE*	†	‡	*57*	*Indianapolis, Ind.*
Deakman, Homer Ward	*CE*		‡		*Chicago*
Dean, Frank Clifford	*LA (S11)*	†	‡	*103½*	*LaMoille*
Deane, Beatrice Earle	*LA*		‡		*Harrisburg*
Deardorf, George Worth	*ME*		‡		*W. Lafayette, Ind.*
Dechman, Arthur	*ChE*	†	‡	*101*	*Chicago*
Decker, Benjamin Harrison	*EE*		‡		*Brazil, Ind.*
Decker, Harvey B	*Cer*		‡		*Brazil, Ind.*
Decker, Leon Morton	*BLA*	†		*135*	*Milwaukee, Wis.*
Decker, Lloyd Vincent	*EE*		‡		*Youngsville, Pa.*
Decker, Louis David	*EE*	†		*23*	*Chicago*
Decker, Mrs Mary Hawkins	*Mus*	†			*St. Paul, Minn.*
Dedlow, Rudolf Paul	*EE*	†		*74*	*Yankton, S. D.*
Dedrick, Eva Ames	*LA*	†	‡	*102*	*Geneseo*
Deets, Herbert Burton	*Agr*	†	‡	*64*	*Cameron*
DeForest, Lemuel	*ME (S11)*	†	‡	*40*	*Toledo, O.*
Deiss, William Charles	*EE*		‡		*Carlinville*
Deitrick, Daniel	*Agr*	†	‡	*19½*	*Concord*
Delano, John Henry	*BLA*	†	‡	*28*	*Princeton*
DeLeuw, Charles Edmund	*CE*	†	‡	*105*	*Jacksonville*
Delony, Lawson Leonard	*A*	†	‡	*28*	*Little Rock, Ark.*
DeMott, Irving Polhemus	*BLA (S10-11)*	†	‡	*103*	*Crookston, Minn.*
DeMott, Roy Van Liew	*BLA*	†	‡	*28*	*Crookston, Minn.*
Dempsey, John Stanley	*LA*	†		½	*Harvey*
Demuth, Jack Erwin	*CE*		‡		*St. Louis, Mo.*
Denney, Helen Ruth	*HSLA*		‡		*Aurora*
Dennis, Mabel Evangeline	*LA*		‡		*Maywood*
Denny, Maude Aroma	*Mus*	†	‡	*31*	*Lincoln*
Denny, Orion Kent	*ME*	†	‡	*19*	*Hamilton*
Derby, Harold James R	*AE (S11)*	†	‡	*20*	*Chicago*
Derby, Sylvester Randall	*CE*		‡		*Morgan Park*
Derry, Harrison Wiley	*Agr sp*	†		*53*	*Springfield*
Derry, Herbert Glenn	*EE (S11)*	†	‡	*107*	*Vermont*

Desmond, John Joseph	*EE*	†	‡	*109*	*Woodstock*
DeSwarte, Clarence Gordon	*EE*	†		*107½*	*Chicago*
Detering, Oscar C	*Ch*		‡		*St. Louis, Mo.*
Deubler, Wilbur Ray	*EE*		‡		*Oak Park*
Devine, Herbert	*ME*	†	‡	*37*	*Ishpeming, Mich.*
DeVol, Mary Edson	*Lb*	†		*16*	*Louisville, Ky.*
Devy, Orrin Elmer	*EE*	†			*Victor, Colo.*
Dewend, Fred Robert	*AE*	†	‡	*112*	*Moline*
Dewey, Ida Belle	*LA*	†	‡	*84*	*Rockford*
Dewey, Ritchie Park	*ME*		‡		*Rockford*
Dewey, Vivian Persis	*LA*		‡		*Kenosha, Wis*
Dewey, William Hovey	*LA*	†	‡	*93*	*Henry*
DeWitt, Emma Ethel	*HSLA*	†		*136*	*Broadlands*
DeWolfe, Mary Estella	*LA*		‡		*Assumption*
Dexter, Grace Ella	*LA*	†		*137*	*Urbana*
Dexter, Lula Belle	*LA*	†	‡	*59*	*Urbana*
Deyoung, Harry Anthony	*LA*		‡		*Chicago*
Dibell, Mabel Elizabeth A. B. *(Western Coll.)* 1910	*SS*		‡		*Wolcott, Ind.*
Dick, Harry Kimball	*AE*	†	‡	*124*	*Bloomington*
Dick, Willis Elmer	*ChE*		‡		*Quincy*
Dickenson, Robert William	*Agr*	†	‡	*90*	*Paris*
Dickerson, Earl Burrus	*LA*		‡		*Chicago*
Dickerson, Ira Wilmer B.S., 1909	*LA*	†			*Newton*
Dickerson, Ruth Elizabeth	*LA*	†		*30*	*Mahomet*
Dickey, Clarence Earl	*EE*		‡		*Champaign*
Dickey, Howard Augustus	*Agr*	†		*17*	*Argenta*
Dickey, Leslie A	*Agr sp*		‡		*Atkinson*
Dickinson, Garnett Leo	*Mus*	†	‡	*7*	*Sidell*
Dickinson, Maud Eva	*Lb*	†		*64*	*Urbana*
Dickinson, Ruth Marguerite	*HSAgr*	†	‡	*19*	*Sidell*
Dieckmann, Thomas Wilbur	*EE*	†	‡	*35½*	*Vandalia*
Dieffenbacher, Martha Mitchell	*SS*	†		*6½*	*Havana*
Diener, Wayne Rufus	*EE*	†		*101½*	*Harvard*
Dieterich, Edgar Lucius	*BLA*		‡		*Aurora*
Dietzer, Alice Margaret	*HSLA*		‡		*LaGrange*
Dillavou, Essel Ray	*LA*		‡		*Champaign*
Dillavou, Roscoe Clarke	*L*	†	‡	*24*	*Tolono*
Dillman, Larry Vernon	*Agr*	†		*1½*	*Louisville*
Dillon, Chester Charles	*S*	†	‡	*126*	*Normal*
Dillon, Claire Dodge	*S*		‡		*Normal*
Dilworth, James Russell	*Agr*	†	‡	*95½*	*Table Grove*
Dimmitt, Lena Otelia	*SS*	†		*5*	*Griggsville*
Dingledine, Ira Wilbur	*S*		‡		*Peoria*
Dirks, Bernhard Ernst George	*A (S11)*		‡	*4½*	*Dresden, Germ'y*
Disosway, Charles Wilbur	*Agr sp*		‡	*34*	*Sheldon*
Dix, Earl Joseph	*EE*		‡		*Marseilles*
Dixon, Ira Allen	*L (LA11)*	†	‡		*Kentland, Ind.*
Dixon, Noah Matheny	*BLA*	†		*130*	*Springfield*
Doane, Edith Shankland	*HSAgr sp*	†		*3*	*Oak Park*
Doane, Harry Allan	*EE (S11)*	†	‡	*114½*	*Sycamore*
Doane, Harry Charles	*ME*		‡		*Newton, Ia.*
Dobbins, Verne Foster	*EE(S11)*		‡	*8*	*Urbana*
Dobson, Locke L	*Agr sp*		‡		*Cerro Gordo*
Dobson, Mary Helen	*Mus*	†	‡	*32*	*Elburn*
Docker, William Frederick	*SS*	†		*63⅓*	*Chicago*
Dodds, Eva	*LA*	†	‡	*28*	*Champaign*
Dodds, Marie Marguerite	*HSLA*	†	‡	*25*	*Joliet*

Dodge, Adiel Yeaman	*RME*		‡		*Chicago*
Dodson, Frank	*SS*	†		*5*	*5-6Ogden*
Doemling, Leo William	*ME*		‡		*Chicago*
Doerr, Harold Francis	*AE*	†	‡	*76*	*Chicago*
Doherty, Robert Kerr	*A(S10)*	†	‡	*49*	*Morris*
Doherty, Wilfred Moran	*L*	†	‡	*57*	*St. Charles*
Doisy, Edward Adelbert	*Md(S11)*	†	‡	*43*	*Hume*
Dolan, Burtis John	*CE*		‡		*Chicago*
Dolan, John James	*EE*		‡		*Cool Ridge, Pa.*
Dole, Ethel Mary	*SS*		‡	*7½*	*Manteno*
Dole, Ira Burton	*ME*	†		*142*	*Manteno*
Dole, Leslie Abijah	*EE*	†	‡	*74*	*Manteno*
Domas, Justin Aloysius	*EE(S11)*	†	‡	*37*	*Shelbyville*
Donahoe, John Thomas	*EE*	†	‡	*37*	*Chicago*
Donaldson, Clyde Wellington	*Md*	†	‡	*29*	*Springfield*
Dominguez, Ezequiel E	*SS*		‡	*3*	*Vera Cruz, Mex.*
Donaldson, Elyzabeth Frances	*HSS*		‡	*68½*	*Urbana*
Donaldson, John Riley	*CE*	†	‡	*30*	*Joliet*
Donnell, Allan Douglas	*ME*		‡		*Mattoon*
Donner, Clay Mervin	*ME*	†		*63*	*El Paso*
Doocy, Clara Louise	*SS*		‡	*10*	*Pittsfield*
Dooley, Frank Hobart	*Agr*	†		*63*	*Downs*
Dooley, Hubbard Errette	*BLA*	†	‡	*36*	*Rock Island*
Dorchester, Arnold Hoffman	*A*	†	‡	*19*	*Providence, R. I.*
Dormitzer, Max Robert	*EE*	†		*142*	*Chicago*
Dorner, Dorothy Alice	*HS Agr*		‡		*Chicago*
Dorris, Daisye Anna	*Mus sp*		‡		*Harrisburg*
Dorsey, Otis Bond	*EE*	†	‡	*105*	*Perry*
Douglas, Ethel Leila	*LA*	†		*130½*	*Chicago*
Douglas, Raymond Thomas	*ME*	†	‡	*101*	*South'pton, Mass.*
Downing, Inez Aleta	*Mus sp*		‡		*Moulton, Ia.*
Downing, Toliver Mac	*LA*		‡		*Macomb*
Downs, Orrie Hagar	*Agr*	†		*135½*	*Urbana*
Drake, Elmo Samuel	*BLA*	†		*136*	*Stonington*
Drake, Waldo Hiram	*BLA*	†		*133*	*Stonington*
Dreffein, Fred Peter	*ME*	†		*34*	*Oak Park*
Dreisbach, Shirley Morris	*Agr sp*	†		*30*	*Circleville, O.*
Drescher, John Morris	*ChE*	†		*20*	*Hannibal, Mo.*
Drescher, Margaret Belle	*HSAgr*	†			*Hannibal, Mo.*
Dresser, Alpheus C	*CE*	†		*72*	*Freeport*
Drew, Beatrice Lillian	*LA*	†		*134*	*Chicago*
Drew, Edgar Nathan	*A(S10)*	†	‡	*71*	*Martinton*
Drew, Mildred Evangeline	*S*	†		*17*	*Chicago*
Dromgoole, Olive	*SS*		‡	*6*	*Mazon*
Droste, Louis Anthony	*CE*		‡		*G'd Rapids, Mich.*
Drummond, Ethel Reynolds	*LA(S10)*	†		*130*	*Chicago*
Drury, Lydon Robert	*Agr sp*		‡		*Albany*
Dry, Charles Lincoln	*SS*		‡	*4½*	*Palestine*
Dryer, Madeline May	*LA*	†	‡	*33*	*Champaign*
Dubin, George Harold	*A*		‡		*Chicago*
Dubin, Henry	*A(S11)*		‡		*Chicago*
Dubois, Henri	*Agr sp*		‡		*Utrecht, Holland*
DuBois, Martha Harriet	*HSLA*		‡		*Eldorado*
DuBois, W B	*L sp*		‡		*Jonesboro, Ark.*
Duckwall, Ina	*HSLA*	†	‡	*23*	*Noblesville, Ind.*
Ducommun, Nina	*LA*		‡		*Oblong*
Duerkop, Bertha Catherine	*LA*	†		*128*	*Sutter*
DuHadway, Fred Alan	*LA*		‡		*Jerseyville*
Duffy, John Clarence	*Agr*	†		*44*	*Ottawa*

Duhamel, Lonnie	*ME*	†	‡	*19*	*Urbana*
Duke, Sidney Walter	*AE*	†		*108*	*Prescott, Ark.*
Dummer, James Byron	*LA*		‡		*Chicago*
Dunavan, Frank Leroy	*CE*	†	‡	*21*	*Sheridan*
Duncan, Margaret Steele, A.M., 1910	*SS*	†			*Philadelphia*
Duncan, Ruth Anna	*Mus(S11)*			*5*	*Mt. Sterling*
Duner, Swen	*Agr sp*		‡		*Wheaton*
Dunham, Arthur Barrett	*A*	†		*144*	*LaSalle*
Dunham, Lawrence Henry	*ChE*		‡		*LaSalle*
Dunham, Raymond Starr	*Agr*	†	‡	*63*	*Chicago*
Dunham, Richard	*EE*		‡		*Vinton, Ia.*
Dunkel, Louis Anthony	*EE*	†		*½*	*East St. Louis*
Dunlap, Andrew Melvin	*EE*	†		*148*	*Aledo*
Dunlap, David Woods	*LA*		‡		*O'Fallon, Mo.*
Dunlap, Effie Charlotte	*LA*	†	‡	*26*	*Urbana*
Dunlap, Ernest Albert	*EE*	†		*158*	*Aledo*
Dunlap, Fannie, Ph.B. *(Univ. Iowa)* 1905	*Lb*		‡		*O'Fallon, Mo.*
Dunlap, Marcia	*LA*		‡		*O'Fallon, Mo.*
Dunlap, Matthew Elbridge	*AE*	†	‡	*30*	*Maywood*
Dunlap, Robert Muratt	*CE*	†		*157½*	*Urbana*
Dunn, Fred David	*CE*	†		*89*	*Elmhurst*
Dunn, Thomas	*BLA(S11)*	†		*99*	*Moline*
Dunnan, Luella Eliza	*LA*	†	‡	*18*	*Paxton*
Dunning, William Benjamin	*CE*	†		*142*	*Aurora*
Dunton, Philip R	*ME(S10)*	†	‡	*121½*	*Lebanon, Kan.*
Dupray, Martin	*S*		‡		*Rozel, Kan.*
Dupuy, Genevieve	*HSLA*		‡		*Chicago*
Dupuy, Margaret	*LA*	†	‡	*83*	*Chicago*
Durley, Lyle Howard	*S*	†		*24*	*Hennepin*
Durr, Clarence J.	*Agr sp*		‡		*Harmon*
Dutt, Mati Lal	*ME*	†		*155*	*Calcutta, India*
Dutton, Marshall Simeon	*CE*		‡		*Oak Park*
Duval, Elair Dilworth	*RCE*		‡	*120*	*Omaha, Neb.*
Duval, Merritt Henry	*ME*	†		*15*	*Elgin*
Dwyer, Ellen Frances	*SS*	†	‡	*16½*	*Charleston*
Dyer, Charles Furness	*L*	†		*58*	*Hoopeston*
Dykeman, Audry	*LA*		‡		*Streator*
Eade, Gladys	*LA*	†	‡	*65*	*Elizabeth*
Eagle, Edward Louis	*L*	†	‡	*57*	*Streator*
Eales, Henry Clarence	*Agr*	†	‡	*65½*	*Bloomington*
Earhart, Charles Martin	*A*	†	‡	*14*	*Chrisman*
Eaton, Harry Lee	*Agr sp*	†		*33*	*Elwood*
Eaton, Margaret Elizabeth	*LA*		‡		*Worden*
Eaton, Robert William	*Md*	†		*93*	*Quincy*
Eaton, William John	*S*		‡	*8*	*Worden*
Eberhart, Myra	*HSLA*	†	‡	*52*	*Newton, Ia.*
Eck, Josephine Antoinette	*S(S10)*	†		*130*	*Urbana*
Eck, John William	*S(S10)*	†		*131*	*Urbana*
Eckert, Hays	*BLA*	†		*43*	*St. Louis, Mo.*
Eckhardt, Clara Mary	*HSLA*	†	‡	*106*	*Toledo, O.*
Eddy, Dora Brown	*SS*	†		*9⅓*	*Tiskilwa*
Edgar, Edith	*LA*		‡		*Copenhagen, N.Y.*
Edgerton, Pauline Wilson	*LA*		‡		*Chicago*
Edler, George Christian	*Agr*	†		*138½*	*LaGrange*
Edmundson, Jessie Fay	*HSS*		‡	*43*	*Balbec, Ind.*
Edwards, Harry Pratt	*CE*	†		*46½*	*Fairmount, Mich.*
Edwards, Orville Logan	*Md*	†		*104*	*Roodhouse*

Edwards, Roy Vincent	*Agr*	†		*95½*	*Urbana*
Edwards, William David	*Agr*	†		*28½*	*Carrollton*
Eells, Willard Clark	*CE*	†		*140*	*Mazon*
Egan, Harold Hunt	*S*	†	‡	*20*	*Springfield*
Egli, Aaron Daniel	*ME sp*	†		*3*	*Hopedale*
Egy, Bessie	*LA*	†	‡	*44*	*Urbana*
Ehler, Otto	*EE*	†	‡	*74*	*Champaign*
Ehrhardt, Raleigh John	*EE*	†	‡	*74*	*Arcola*
Eickhoff, Emma Marie	*SS*	†		*6*	*Woodstock*
Eide, Alwin Clyde	*Ch*		‡		*Lee*
Eiker, Bessie Hamilton	*LA(S10)*	†		*135 1-6*	*Sparta*
Eisner, Mrs. Elizabeth Laflin, B.Mus., 1908	*Mus*		‡		*Champaign*
Eisner, Robert	*BLA*	†		*42*	*Champaign*
Eiszner, Louise Mabelle	*LA*	†	‡	*91*	*Chicago*
Ekstrand, Henry Emanuel	*ME*	†	‡	*25*	*Waukegan*
Elayda, Inocencio	*SS*	†		*7½*	*Iba, Zambales, P.I.*
Elder, Robert Carl	*CE*	†		*18*	*Hamilton*
Eldred, Brace Andrews	*Cer*	†	‡	*23*	*Urbana*
Elfstrom, Philip Raymond	*CE*	†	‡	*108*	*Batavia*
Elles, Edward Charles	*BLA*		‡		*Herrin*
Elliott, Charles John	*Agr*	†	‡	*115½*	*Tonica*
Elliott, Edna Elizabeth	*HSAgr sp*		‡		*Savanna*
Elliott, Gertrude Louise	*HSAgr*	†	‡	*66*	*Tonica*
Elliott, Ivan Arvel	*Cer*		‡		*Crossville*
Elliott, Kenneth Robert	*ME*	†		*38*	*Olney*
Elliott, Mary Marjorie	*LA*	†	‡	*29*	*Bushnell*
Elliott, True Ferdinando	*Md*		‡		*Savanna*
Ellis, George Curtis	*Md*	†	‡	*75*	*Altamont*
Ellis, Orland I	*Agr*	†	‡	*99½*	*Dwight*
Ellis, Tracy Wallace	*ME*	†	‡	*72*	*Seneca*
Ellison, Charles Courtney	*L*	†		*81*	*Alhambra*
Ellison, George Edgar	*EE*	†		*144*	*Chicago*
Ellsworth, Edward Nicholas	*AE*		‡		*Chicago*
Elm, Evar Samuel	*ChE(S10)*	†		*139*	*Chicago*
Elmendorf, Armin	*ME*	†	‡	*52*	*San Antonio, Tex.*
Elmendorf, Edith Mae	*HSS(S11)*	†	‡	*94½*	*Morrison*
Elsesser, Oscar Jacob	*Md(S10)*	†	‡	*40½*	*Red Oak*
Elvidge, Ross Edward	*Agr*	†		*28*	*Rockford*
Emery, Paul	*CE*	†	‡	*23*	*Topeka, Kan.*
Emigh, Edith	*LA sp*	†	‡	*9*	*Knox, Ind.*
Emmerson, Ethel Mae	*LA*	†		*78*	*Lincoln*
Enaje, Francisco Delgado	*SS*	†		*2½*	*Naval, Leyte, P.I.*
Engel, Paul Ernst	*EE*		‡		*Chicago*
von Engelken, Marie Jeannette, A.B., 1910	*SS*	†			*Dubuque, Ia.*
Enger, Arthur Ludvig	*MSE*	†		*145*	*Decorah, Ia.*
Enger, Thorbjorn Kjus	*EE*	†		*159*	*Los Angeles, Cal.*
Engle, Jeannette Morrison	*LA*		‡		*Urbana*
Engle, Ralph Nelson	*Agr*	†	‡	*33*	*Urbana*
English, Hubert Morton	*Md*	†	‡	*33*	*Marshall*
English, Lloyd Hayden	*Md*		‡		*Chicago*
Eninger, Helen Marie	*Mus*	†	‡	*8*	*Cisco*
Ennis, Collistus James	*BLA*	†	‡	*36*	*Chicago*
Enochs, Delbert Riner, A.B., 1898	*Mus*		‡		*Champaign*
Ensign, Newton Edward	*CE*	†		*150½*	*Altamont*
Enslow, Isabel	*HSLA*	†		*29*	*Chicago*
Epstein, Abraham Solomon	*CE*	†		*165*	*Chicago*

Epstein, Arthur Louis	CE	†	‡	72	Bloomington
Ericson, Norman Ellis	ME	†		15	Rockford
Eriksen, Julia Louise	HSS		‡		Newark
Erlbacher, Harriet Clare	LA	†		134½	Morris
Ermeling, Lewis Brown	ME	†	‡	79	Chicago
Ernest, Ruth	LA		‡	25	Urbana
Ernst, John Louis	AE	†	‡	117	East St. Louis
Erskine, Alexander Watmough	CE	†	‡	108	Oak Park
Erskine, Nellie Tanner	LA	†	‡	96	Chicago
Ervin, William Harold	Agr	†	‡	28½	Big Rock
Erwin, Walter Boynton	BLA		‡		Chicago
Eschauzier, Louis	Agr(S11)	†	‡		S. Luis Potosi, Mex.
Escobosa, Guillermo Filiberto	Agr	†	‡	71	Guadalajara,Mex.
Eslick, Leo	ME		‡		Lead, S. Dak.
Espinosa, Miguel Elenes	MnE(S11)	†	‡	85½	Topia, Mexico
Essington, Arthur Vernon	L(LA'11)		‡		Clifton
Essley, Earl Craig	Agr	†		46½	New Boston
Esson, Leroy Everett	LA	†		24	Grant Park
Estep, Josiah Morgan	A	†		124	Los Angeles, Cal.
Etherton, James Everett	L	†	‡	103⅔	Carbondale
Evans, Arthur Thompson	S	†	‡	99	Wellington
Evans, Besse Bonbrake	LA	†		25	Taylorville
Evans, Earle Remington	LA	†		28	Chicago
Evans, John Edward	ME	†	‡	115	Chicago
Everett, Thomas Wilson	SS		‡	8½	LaHarpe
Everhart, Philip Hiram	LA		‡		Toledo
Eversole, John Logan	Agr	†		21½	Onarga
Ewing, Clarence Lee	Agr	†		23½	Elvaston
Eyman, Ralph Lee	SS		‡	7½	Golden
Eymann, Joe	ME	†		126	Graymont
Faber, Clayton Brooke	Agr	†	‡	42½	Pawpaw
Fackler, Walter Valentine	BLA	†	‡	31	Champaign
Fagan, Oona Mary	LA		‡		Pontiac
Fager, Daniel Baldwin	SS	†	‡	23⅓	Vandalia
Fager, Frank Daniel	EE(S11)	†	‡	42½	Vandalia
Fahrman, John Dolly	LA		‡		Webb City, Mo.
Fahrnkopf, Emma Margaret	HSS(S11)	†	‡	74	Urbana
Fahrnkopf, Harrison Fred T	Agr(S11)	†	‡	80½	Urbana
Fairbank, Ernest Guy	LA	†		11	Chicago
Fairchild, Bert	Agr		‡		Danville
Fairchild, Donald Hurlstone	RCE		‡		Paxton
Fairchild, Raymond Wilbur	LA	†		2½	Pana
Faires, Leland Stanford	L	†		44	St. Jacob
Fairfield, Helen	HSLA	†	‡	41	Ames, Ia.
Fairhall, Lawrence Turner	Ch	†		139	Danville
Faison, William Alexander	RME	†		153	Goldsboro, N. C.
Fajardo, Euripides y Maymir	CE(S11)	†	‡		San Luis, O, Cuba
Falk, Nellie Frederick	SS	†			Geneseo
Fancher, Hazel Elizabeth	LA	†	‡	72	Evanston
Farlow, Samuel James	AE	†	‡	36½	Augusta
Farquhar, Donald Alexander	A	†	‡	20	Kansas City, Mo.
Farnum, William Howard	AE(S11)	†	‡	114½	Danville
Farthing, Chester Harold	L	†	‡	31	Odin
Farthing, Georgie	LA	†		44	Mt. Vernon
Farthing, William Dudley Paul, (McKendree Coll.) B.S., 1909	L	†	‡	20	Odin
Faulkner, Fay Edward	S		‡		Champaign

Faulkner, Guy Dorr	*CE*	†	‡	*143*	*Hornell, N. Y.*
Faulkner, Leslie William	*EE*	†	‡	*37*	*Champaign*
Faurot, Judd Preston	*EE*	†	‡	*74*	*Danville*
Faurote, Guy Columbus	*A*		‡		*Niles, Mich.*
Faust, Per Alexander	*ME*	†	‡	*118*	*Rock Island*
Fayert, Louis Eugene	*LA*	†	‡	*92*	*Springfield*
Feallock, Henrietta	*LA*	†		*26*	*Mich. City, Ind.*
Fearheiley, Elma	*HSAgr*		‡		*Mt. Carmel*
Fedde, Harry	*EE(S10)*	†	‡	*109*	*Peotone*
Fedde, Ruth Catherine	*HSLA*		‡		*Peotone*
Fehrenkamp, Winfred	*Lb*	†	‡	*33*	*Milwaukee, Wis.*
Fehrman, Claribel	*S*	†	‡	*84*	*Pekin*
Fehrman, Florence	*LA*		‡		*Pekin*
Feldman, Joseph Elmer	*Agr*		‡		*Morrison*
Felger, Walter Blaine	*ME*	†	‡	*27*	*Milmine*
Felle, Paul Newell	*Agr sp*		‡		*Champaign*
Fellows, Harriet Josephine	*BLA*	†		*17*	*St. Charles*
Fellows, James Daniel	*BLA*	†	‡	*18½*	*St. Charles*
Fellows, James Phillips	*Agr*	†		*136½*	*Kankakee*
Felmley, Mildred Helen	*LA*	†	‡	*59*	*Normal*
Felsenthal, Emma	*Lb*	†	‡	*33*	*Chicago*
Fender, Charles William	*S*	†		*139*	*Westfield*
Fenton, Leslie Louis	*SS*		‡	*8*	*Mt. Carmel*
Fentz, Frank Christian	*CE*	†		*74*	*Olney*
Ferguson, Clarence Milford	*AE*		‡		*Charles City*
Ferguson, Henry Eugene	*Agr sp*		‡		*Reno*
Ferguson, Jean May	*SS*	†		*15*	*Pekin*
Ferguson, Louis Smith	*ME*	†	‡	*94*	*Annawan*
Fernandez, Carlos S	*Agr*		‡		*Calle Juarez,Mex.*
Ferrell, Dent	*EE*	†	‡	*78*	*Carterville*
Ferrell, Kate	*SS*		‡		*Carterville*
Ferrell, Raymond Pola	*Md*		‡		*Harrisburg*
Ferris, Charles Francis	*Agr*	†	‡	*160*	*Danville*
Ferris, Phelps Fitch	*Agr*	†	‡	*54*	*Big Rapids, Mich.*
Ferris, Elizabeth	*SS*		‡	*2½*	*Urbana*
Fetherston, James E.	*Md*		‡		*Chicago*
Fetherston, John Moffat	*EE*	†	‡	*34*	*Chicago*
Fick, Clarence William	*EE(S10)*	†	‡	*110*	*Berwyn*
Field, Roswell Francis	*A*	†	‡	*23*	*Chicago*
Fielden, Harry Lincoln	*Agr sp*		‡		*Virginia*
Fielden, William James	*Agr*		‡		*Virginia*
Fielder, Harold Sydney	*REE*	†		*122½*	*Chicago*
Fielder, William Fuller	*ME*	†	‡	*44*	*Chicago*
Fielding, Bernice	*SS*	†		*11*	*Champaign*
Fielding, Ethel Ruth	*LA*		‡		*Champaign*
Fielding, Mabel	*Mus*	†	‡	*19*	*Champaign*
Fiero, Elmer Ellsworth	*LA(S11)*	†	‡	*35*	*Lacon*
Fifield, Gertrude	*LA*	†	‡	*40*	*Buda*
Finch, Walter McCord	*AE*		‡		*Newton, Ia.*
Finchar, Louis Roland	*SS*		‡		*Streator*
Findley, James Stuart	*CE(S11)*	†	‡	*135*	*Wichita, Kan.*
Finkbiner, Hermine Bessie	*SS*	†		*9½*	*Marshall*
Finfrock, Chancy Lawarance	*A(L10-11)*		‡	*15*	*Urbana*
Finnie, Ruth	*LA*	†		*55*	*Millington*
Finnie, Thomas	*BLA*		‡		*Millington*
Finnigan, Thomas	*SS*		‡		*Champaign*
Fischer, Chester Owen	*L*	†	‡	*62*	*St. Louis, Mo.*
Fischer, Clemens Joseph Fred	*L*	†		*21*	*Belleville*
Fischer, Ferdinand Aug Paul	*AE(S10-11)*	†		*114*	*Chicago*

Fischer, Estella Amy	*SS*		‡		*Mt. Carmel*
Fischer, Henry Laurence	*ME*		‡		*Wheaton*
Fish, Julian Lounsbury	*Agr*		‡		*LaGrange*
Fishback, Hamilton Rodell	*Md*	†	‡	*113*	*Marshall*
Fisher, Abigail Eliza	*LA*	†	‡	*33*	*Geneseo*
Fisher, Benjamin Sidney	*L*	†	‡	*23*	*Anderson, Ind.*
Fisher, Charles Douglas	*AE*	†		*21*	*Chicago*
Fisher, Elsie Mae Taylor, A.B., 1904	*SS*	†			*Champaign*
Fisher, Eva Josephine	*LA*	†	‡	*57*	*Champaign*
Fisher, Forrest Adison	*Agr*	†		*137½*	*Greenup*
Fisher, Guy Henry	*Agr*	†		*30½*	*Savoy*
Fisher, Laura Estelle	*LA*	†	‡	*118*	*Kinmundy*
Fisher, Lewis Nebinger	*CE*	†	‡	*116*	*Decatur*
Fisher, Walter Lloyd	*CE*		‡		*Union City, Ind.*
Fisher, Ward Herbert	*AE*	†		*147*	*Mt. Comfort, Ind.*
Fisher, William Arthur	*SS*	†		*7⅔*	*St. Joseph*
Fisher, William Fredrich	*Agr sp*		‡		*Joliet*
Fitch, Chester Arnold	*EE*	†			*Greenup*
Fitzgerald, Herbert John	*Agr sp*		‡		*Lincoln*
Fitzgerrell, Grace Aileen	*HSLA*	†		*30*	*Benton*
Fitzpatrick, James Charles	*ME*		‡		*Bessemer, Ala.*
Fitzwater, Imogene Fern	*Mus sp*	†	‡		*Shelbyville*
Flaherty, Lawrence Kendal	*Agr*	†			*Hubbard Woods*
Flatt, Harrison Obediah	*LA(S11)*	†	‡	*100½*	*Carrollton*
Fleig, Frederick Raymond	*BLA*	†	‡	*29*	*Belleville*
Fleming, Georgia Elizabeth	*HSAgr*	†	‡	*98*	*Champaign*
Fleming, Gertrude Wallace	*LA*	†	‡	*104*	*Champaign*
Fleming, John Goodfellow	*A*	†	‡	*110*	*Champaign*
Fleming, Rose Grahame	*LA*	†		*132*	*Olney*
Fletcher, Charles Harrison	*L*	†	‡	*55*	*Ridgefarm*
Fletcher, Cassius Paul	*CE*	†		*96*	*Ridgefarm*
Fletcher, Elizabeth Blair	*LA*	†		*132*	*Bunker Hill*
Flexer, Fayette James	*A*	†	‡	*47*	*Joliet*
Flodin, Harold Leo	*CE*		‡		*Chicago*
Flood, Wilbur Earl	*CE*		‡		*Peoria*
Flowerree, Trennace	*Agr*	†	‡	*65½*	*Easton*
Foersterling, Frederick John	*EE*	†		*143*	*Dwight*
Fogg, Alden Knowlton	*CE*		‡		*McConnell*
Foglesong, Lawrence Earl	*Agr*	†		*160½*	*Moscow, Idaho*
Foley, John Warner	*EE*	†		*142*	*Clinton*
Foltz, Leroy Stewart	*EE*	†		*143*	*Fowler*
Fong, Chen Yu	*SS*	†			*Shanghai, China*
Fontaine, Everett Orren	*LA*		‡		*Momence*
Ford, Albert Galliton	*Agr*		‡		*Geneva*
Ford, Bernice	*S*	†		*150*	*Rockford*
Ford, Carlotta Marks	*HSS*	†		*131*	*Geneva*
Ford, Edith Harley, Ph.B. *(Univ. Chicago)* 1910	*Lb*		‡		*Chicago*
Ford, Everett Porter	*ME*		‡		*Galva*
Ford, Hanby Lewis	*SS*		‡		*Flat Rock*
Foreman, Alvin Claude	*Agr*	†		*141*	*Pittsfield*
Fornoff, Gustav George	*EE*	†	‡	*89*	*Chicago*
Forrest, Ralph	*MnE*	†		*75*	*Daleville, Ind.*
Fort, Lyman Marion	*S*	†	‡	*35*	*Stronghurst*
Forty, Frank Alfred	*EE*		‡		*Chicago*
Foskett, William Elmer	*A sp*	†		*14*	*Chicago*
Foster, Edward Burdell	*Agr*		‡		*Denver, Colo.*
Forsythe, Robert Stanley	*SS*		‡	*3*	*Lincoln*

Foster, Donald DeVere	BLA	†	‡	30	Boswell, Ind.
Foster, Edmond Roy	AE	†	‡	37	Melrose Park
Foster, George Henry	ChE		‡		Lenox Dale, Mass.
Foster, Harry Llewellyn	AE(S11)	†	‡	75½	Milwaukee, Wis.
Foster, Herbert Edward	AE(S11)	†	‡	114½	Attica, Ind.
Foster, John Raymond	Agr	†	‡	40½	Sac City, Ia.
Foster, Ora French	Agr	†	‡	33½	White Hall
Foster, Ruth Elizabeth	SS	†			Marshall
Foster, Thomas Grover	ME(S10)	†	‡	81	Blue Island
Fowler, Wiley Marion	LA(S10)		‡	4	Penfield
Fox, Amy Alice	SS		‡	5½	Belvidere
Fox, Thomas Warren	ME	†		30	Mankato, Minn.
Fox, William Homer	EE	†		13	Bethel, Mo.
Frail, James Eddis	SS		‡	8	LaFayette
Frailey, Lester Eugene	BLA	†	‡	51	Urbana
Frame, Grace Bryan	LA		‡		Springfield
Francke, Hallie Herman	Agr sp		‡		Mt. Carroll
Frank, William Leonard	Agr	†	‡	94	Carthage
Franzen, Theodore John	AE		‡		Peoria
Fraser, Viola Constancia	S	†	‡	112	Lead, S. Dak.
Frayer, Disk Sylvester	CE		‡		Maywood
Frazee, John Delavan	LA(S10)	†		131	Chicago
Frazee, Louis Rheem	Agr		‡	7	Chicago
Frazee, Russell Card	Agr	†	‡	31½	Morris
Frazer, George Carlyle	Agr		‡		Lockport
Frazier, Jacob Edgar	L	†			Paris
Frazier, James B, Jr	LA(L10-11)	†	‡		Paris
Frazier, Philip	ME		‡		Aurora
Freeburg, Arthur Eric	Agr sp	†		4½	Chicago
Freeland, Chesley Barber	Agr	†		131½	Dalton City
Freeman, Estella Viola	Mus	†			Ogden
Freeman, Herbert Verne	A		‡		Indianapolis, Ind.
Freeman, Marie	HSS		‡		Decatur
Freeman, Ruth Mae	LA	†	‡	33	Bloomington
Fremer, Otto William	AE	†		54	Chicago
French, Guy Russell	SS		‡	8½	Bellmont
French, Henry Helm	RME		‡		Chicago
French, Ralph Waldo	Agr	†	‡	30	Magnolia
deFries, Erich Hans	LA	†		13	Davenport, Ia.
Friesenecker, Emma Katherine	SS		‡	8½	Galena
Frisinger, Claude Thomas	Mus	†		11	Urbana
Fritchey, Paul Bucher	LA(S11)	†	‡	104	Olney
Fritchey, Theodore Augustus, Jr	BLA	†	‡	73	Olney
Fritze, Lucius Augustus	ChE(S10)	†		149	Peoria
Froehlich, Milton Heckscher	CE	†		159	Chicago
Froyd, Melvin F	Md	†	‡	18	Paxton
Fruin, Elizabeth	HSS	†	‡	68	El Paso
Fruland, Iva Viola	LA		‡		Sheridan
Fry, Albert Stevens	CE	†	‡	75	Urbana
Fry, Ellwood Ray	Agr	†	‡	51	Rock Island
Fujimura, Gikan	S(S10)	†		142	Iwate Ken, Japan
Fulks, Harry Catlin	BLA	†	‡	66	Beardstown
Fullenwider, Wilfred Truman	Agr	†		138	Mechanicsburg
Fuller, Clarence Malcolm	MSE		‡		Lawrenceville
Fuller, Harold Coulon	A		‡		Indianapolis, Ind.
Fullerton, Charles Bushnell	L	†		80	Ottawa
Fulton, Guy Chandler	A		‡		Warsaw
Fulton, Laurence Welsan	SS	†		6 5-6	Stamb'gh, Mich.

Funk, Irene Mason	*LA*	†	‡	*93*	*Kernan*
Furukawa, Sozabu	*A(S11)*	†	‡	*72*	*Sega, Japan*
Fuson, Levi Harry	*SS*		‡	*7*	*Bogota*
Gable, George Elmore	*A*		‡		*Champaign*
Gabler, Mathias George	*EE*	†		*66*	*Chicago*
Gaddis, Albert Macy	*EE*	†	‡	*39*	*Modoc, Ind.*
Gaddis, Henry Elisha	*BLA*	†	‡	*71*	*Modoc, Ind.*
Gage, Laurence Frank	*Agr*	†	‡	*15*	*Seneca*
Gage, Lester Rufus	*A*		‡		*Winona*
Gage, Louise Luche	*SS*		‡		*Champaign*
Gage, Marjorie Harriett	*Mus(S11)*		‡	*68*	*Champaign*
Gage, Robert Percy	*Agr*	†	‡	*33½*	*Elgin*
Gage, William John	*AE(S10)*	†		*34*	*Champaign*
Galeener, William Kenneth	*Agr*	†		*139*	*Vienna*
Gallagher, Anna Marie	*LA*	†	‡	*30*	*Chicago*
Gallaher, Bessie Estella	*LA*		‡	*69*	*Mound City*
Gallaher, Marion Belle	*BLA*	†		*19*	*Chicago*
Gallar, William Charles	*ME*		‡		*Chicago*
Gallie, Donald Muirhead	*Md*		‡		*Wilmette*
Galster, Augusta Emilia	*SS*	†	‡	*34⅔*	*Tower Hill*
Gamble, Clare Curtiss	*BLA*		‡		*Malone, N. Y.*
Gamble, Donald Tunnicliffe	*Agr*	†	‡	*35½*	*Kewanee*
Game, Josephine Louise	*LA*	†		*74*	*Chatsworth*
Gangstad, Ida Marie, A.B. *(Univ. Wis.)* 1908	*Lb*		‡		*Deerfield, Wis.*
Gangstad, Morton Edgar	*Agr sp*		‡		*Deerfield, Wis.*
Garber, Ralph John	*Agr*	†	‡	*110*	*Gibson City*
Gardiner, John L	*ME*		‡		*Chicago*
Gardner, James Harlan	*Agr*	†	‡	*79½*	*Tiskilwa*
Gardner, James Lewis	*Agr*	†		*133½*	*Aurora*
Garner, Robert	*LA*		‡		*Milford*
Garnett, Harriet Elizabeth	*HSLA*	†		*133*	*Plymouth*
Garnett, Helen Richards	*HSAgr*	†		*10*	*Highland Park*
Garrett, Frank William	*Agr*	†		*130½*	*Momence*
Garrett, James Franklin	*ChE*	†	‡	*61*	*Kinmundy*
Garrett, Louise Wallace	*LA(S10-11)*	†	‡	*68*	*Champaign*
Garrison, Russell Paul	*LA*		‡		*Wayne City, Ind.*
Garver, Earl	*Agr*	†		*137*	*Rockford*
Gaskill, Daniel Webster	*S(S10-11)*	†	‡	*89½*	*Kell*
Gaskill, Della Alice	*HSS*		‡		*Joliet*
Gaster, Rexford Livingston	*LA*	†		*46*	*Princeville*
Gaston, Omar	*SS*	†		*99½*	*Kell*
Gately, Frederick W	*EE*		‡		*Chicago*
Gates, Carleton Willard	*EE*	†	‡	*75*	*Elgin*
Gates, Harriet Elizabeth	*HSS*		‡		*Chicago*
Gates, Minnie Louise	*Mus(S10)*		‡		*Urbana*
Gates, Ralph Pillsbury	*Ch*	†	‡	*103*	*Chicago*
Gatter, Lincoln Otto	*Agr*		‡		*Evanston*
Gauger, Paul Charles	*AE*	†	‡	*79*	*St. Paul, Minn.*
Gault, Bernice Harrison	*SS*		‡	*9*	*Shelbyville*
Gaut, Rosa-Lee	*Mus(S11)*	†	‡	*24*	*Knoxville, Tenn.*
Gawne, Paul Wright	*A*		‡		*Indianapolis, Ind.*
Gay, Amelia Louise	*LA*	†	‡	*99*	*Rock Port*
Gay, Strawn Aldrich	*A*	†	‡	*64*	*Ottawa*
Gayton, Loran DeLancey	*CE sp*	†	‡	*14*	*Worcester, Mass.*
Geason, Harold Mark	*EE*	†	‡	*36*	*Washington*
Geddes, Allen George	*SS*	†		*5½*	*Fountain Green*
Geddes, Nellie Corey, B.S. *(Radcliffe Coll.)* 1905	*LA*	†		*4*	*Allston, Mass.*

Gee, Claude Earl	*EE*	†	‡	*67*	*Lawrence, Kan.*
Gehrig, Arthur Gustave	*CE*	†		*59*	*New Douglas*
Gehrig, Edward Franklin	*ME*		‡		*Grantfork*
Geist, Harry Forest	*EE*	†	‡	*111*	*Aurora*
Geitner, Herman Isaac	*CE*		‡		*Chicago*
Gemberling, Cameron Houtz	*RCE*		‡		*South Bend, Ind.*
Gemmill, Josephine Alberta	*HSAgr*		‡		*Sparta*
Gentle, George Edward	*Agr*	†	‡	*82*	*Farmington*
Gentry, William Sumner, Jr	*AE(S10)*	†	‡	*110*	*Frankfort, Ind.*
Genung, Ivaloo	*HSAgr*	†	‡	*116*	*Rantoul*
George, James Thomas	*EE*	†		*112*	*Ada, Okla.*
George, Leslie Godfrey	*LA*		‡		*Staunton*
Geraghty, Richard Stanley	*BLA*	†	‡	*25*	*Berwyn*
Gere, Helen Beatrice	*HSLA*	†	‡	*32*	*Urbana*
Gerlach, Miriam	*LA*	†		*130*	*Doniphan, Mo.*
Gershenzwit, Eva	*HSS*	†		*31*	*New York City*
Gershenzwit, Joseph	*Agr*	†		*44½*	*New York City*
Gest, Ben	*AE*	†	‡	*122*	*Rock Island*
Getmann, Roy Lyle	*CE*	†	‡	*64*	*Harvard*
Geyer, Howard Almon	*Agr*		‡		*Rock Falls*
Ghosh, Satish Chaudra	*Agr*	†		*3*	*Bajrajogini, India*
Gibboney, Clare Margaret	*LA*	†		*48*	*Milford*
Gibbs, Charles Amory	*S*	†		*83½*	*Oak Park*
Gibbs, Fletcher Barker	*BLA*	†		*64*	*Oak Park*
Gibbs, Paul Hedges	*ME*	†	‡	*67*	*Westfield, Mass.*
Giboney, Thomas James	*CE*	†	‡	*109*	*Urbana*
Gibson, Mabel Helen	*HSAgr(S11)*	†	‡	*25*	*Woodstock*
Gibson, Truman Wood	*Agr*	†		*24½*	*Jacksonville*
Giddings, Arthur Solomon	*EE*	†	‡	*110*	*Champaign*
Giehler, Frederick John	*AE*	†	‡	*44*	*Ottawa*
Giessler, William Carson	*MSE*		‡		*Peoria*
Gilbert, Don Carlos	*SS*	†		*9½*	*Kansas Cy, Kan.*
Gilbert, Irving Brown	*CE*	†	‡	*23*	*Chicago*
Gilbert, Minnie Ellen	*LA*		‡		*Dillon, Mont.*
Gildersleeve, Mary Elsie	*HSS*		‡		*Hudson*
Giles, George Leroy	*ME sp(S11)*	†		*29½*	*Waterman*
Gilkerson, Harry Charles	*Agr*	†	‡	*72*	*Marengo*
Gilkey, John Ray	*LA*		‡		*Hume*
Gill, George Thallon	*L*	†	‡	*35*	*Evanston*
Gill, Julius Quinby	*Agr sp*		‡		*Peoria*
Gillan, Paul Harned	*AE*	†	‡	*122*	*Champaign*
Gillies, Sarah Elizabeth	*SS*		‡	*7*	*Woodstock*
Gilmore, Leonard Mason	*Agr*		‡		*Moline*
Gilmore, Winfield Corwin	*L*	†	‡	*55*	*Paxton*
Gilpatrick, Leon Kimball	*Agr*	†	‡	*32½*	*Plano*
Ginnaven, Wilbur Dan	*EE*		‡		*Springfield*
Girhard, George M	*LA*		‡		*Newton*
Giroux, Elroy Arthur	*EE(S11)*	†	‡	*72*	*Momence*
Girton, Delbert George	*BLA(S10)*	†	‡	*107½*	*Jacksonville*
Givens, Albert Lilly	*EE(S10)*	†	‡	*65*	*Aurora*
Glair, Harry Franklin	*ME(S10)*	†	‡	*108½*	*Chicago*
Glapion, Cyrus Washington	*ME*	†		*15*	*St. Louis, Mo.*
Glasgow, Grace	*HSAgr(S11)*	†		*130*	*Tennessee*
Glasgow, Ruth	*HSAgr(S11)*	†		*130*	*Tennessee*
Gleason, Nellie Magruder	*LA(S10)*	†		*142*	*Champaign*
Gleason, Raymond Micheal	*ME*		‡		*Chicago*
Glenn, Arthur Barlow	*RCE(S10-11)*	†	‡	*89*	*Quincy*

Glenn, Edna	*SS*		‡	*5½*	*Mt. Vernon*
Glenn, Lawrence Arthur	*L*	†		*83*	*Champaign*
Glenn, Murray Otto	*ME*		‡		*Magnolia*
Glenz, Edward Anton	*ChE*	†	‡	*67*	*Chicago*
Glick, Abraham LeRoy	*MSE*	†	‡	*49*	*Chicago*
Glick, Everette E	*Agr*	†		*61½*	*Rochester, Ind.*
Glover, Anna Cushman	*SS*		‡		*Ottawa*
Glover, Dorothy Holmes	*LA*	†	‡	*31*	*Aurora*
Glover, Leonard Wood	*LA*	†	‡	*137*	*Urbana*
Glover, Rodney Champlin	*LA*		‡		*Ottawa*
Glover, Walter Earl	*A*		‡		*Topeka, Kan.*
Gloyd, Galen Van Rensselaer	*A(S10)*	†	‡	*133*	*Macomb*
Goben, Pearl Hazelette	*HSAgr*	†	‡	*95*	*Danville*
Goben, Loma William	*SS*	†		*5½*	*Urbana*
Godard, Hazel M	*Mus*		‡		*Belle Forche, S.D.*
Godley, Paul Forman	*EE*	†		*5*	*Indianapolis, Ind.*
Goebel, Irma Gretchen	*LA*	†	‡	*24*	*Urbana*
Goebel, Julius Ludwig	*LA*	†	‡	*101*	*Urbana*
Goebel, Louise Katheryn	*LA*	†	‡	*102*	*Urbana*
Goebel, Marie Christine	*LA*	†		*131*	*Urbana*
Goelitz, William Henry	*Agr sp*		‡		*Oak Park*
Goetzman, John Robert	*CE*		‡		*Shawneetown*
Goff, Cicely Sarah, A.B., 1910	*SS*		‡		*Champaign*
Goff, Luta Azuba, A.B., 1909	*HSLA*	†		*30*	*Champaign*
Goff, Mary Emma, A.B., 1899	*Lb*	†		*69*	*Victor, Miss.*
Gohn, Lloyd Elias	*LA*	†	‡	*94½*	*Rochester, Ind.*
Goldberg, Joseph Alan	*CE*	†		*74½*	*Chicago*
Goldberg, Philip Hilton	*Md*	†	‡	*18*	*Chicago*
Golden, Waldo Emerson	*Md*		‡		*Champaign*
Golden, Wesley Barton	*CE*	† *LA*	‡		*Beardstown*
Goldman, Rae	*LA*		‡		*Terre Haute, Ind.*
Goldmerstein, Leon	*EE(S10)*	†	‡	*76½*	*St. Petersburg, Russia*
Goldschmidt, Samuel Meyer	*BLA*		‡		*Earlville*
Gonsior, Albert	*CE*	†		*45½*	*Chicago*
Good, John Walter	*SS*	†	‡	*25⅓*	*Fayetteville, Tenn.*
Goodell, Helen Elizabeth	*Agr*		‡		*Loda*
Goodenough, Arthur Sherman	*A*	†		*95½*	*Urbana*
Gooding, Charles Wesley	*SS*	†	‡	*21 5-6*	*Champaign*
Gooding, Frank Ellwood	*ME*	†	‡	*110*	*Peoria*
Goodman, Byne Frances	*LA*	†	‡	*105*	*Champaign*
Goodman, Charles Francis	*Agr*	†	‡	*42½*	*DeLand*
Goodman, Ezra	*EE*	†		*37*	*Chicago*
Goodman, Samuel Wade	*Agr*	†			*Poseyville, Ind.*
Goodmann, Leola Ione	*HSLA*	†	‡	*34*	*Champaign*
Goodspeed, Nathan Lee	*SS*	†		*132*	*Joliet*
Goodyear, Henry Marks	*Md*	†	‡	*66*	*Morton*
Gordon, Charles	*REE*	†	‡	*122½*	*Chicago*
Gordon, Fred Guyon	*MSE*	†	‡	*112*	*Vandalia*
Gordon, Hazel Augusta	*HSS*		‡		*Paris*
Gordon, Marie Alma	*HSLA*	†		*48*	*Urbana*
Gordon, Max J	*LA*	†		*24*	*Chillicothe, Mo.*
Gordon, Raymond Hall	*ME*		‡		*Chicago*
Gordon, Willis Gaylord	*EE*	†	‡	*108*	*Towanda, Pa.*
Gordon, Willis Owen	*Ch(S10)*	†		*138*	*Paris*
Gorham, Edwards Doremus	*S*	†		*130*	*Champaign*
Gormley, James Reilly	*A*	†	‡	*76*	*Austin*

Gormley, Vincent Lewis	*Agr*		‡		*Austin*
Goss, Maurice Gregory	*ChE*	†		*45*	*Dayton, O.*
Gossett, Irene	*LA*	†		*3*	*Champaign*
Gossett, John Eubanks	*BLA*	†	‡	*113*	*Urbana*
Gougler, Judson Henry	*RME*	†	‡	*89*	*Ipava*
Gough, Sarah Melinda	*SS*		‡		*El Paso*
Gould, Oren Welcome	*SS*		‡		*Chapin*
Gourley, Joseph E.	*CE*	†		*21*	*Paxton*
Gourley, Louis Hill	*LA(S10-11)*	†	‡	*106½*	*Springfield*
Gourley, Margaret Travis, A.B., 1909	*SS*		‡		*Paxton*
Grabbe, Edith Katherine	*HSAgr*	†			*Urbana*
Grabbe, Florence Harriet	*HSAgr*	†	‡	*105*	*Urbana*
Gradle, Roy Searls	*Md*	†		*11*	*Chicago*
Grady, Edward M	*Cer*		‡		*Bloomington*
Graham, Edson James	*Agr sp*		‡		*Chicago*
Graham, Matthew Powell	*Agr sp*		‡		*Champaign*
Graham, Paul John, A.B., 1911	*L(LA'11)*	†	‡		*Aledo*
Graham, Vance Adair	*BLA*	†		*9*	*Carmi*
Graham, Warren Wright	*ME*	†	‡	*57*	*Monmouth*
Grainger, Charles Warren	*CE(S10-11)*	†		*141*	*Chicago*
Granart, Lester Ferdinand	*ME*	†			*Hinkley*
Grant, Frances Cecilia	*HSAgr sp*		‡		*Charleston*
Grant, Helen Winifrede	*LA*	†	‡	*33*	*Urbana*
Grantham, Esta Lena	*SS*		‡	*9*	*Stockwell, Ind.*
Grantham, George Manners	*Agr*	†		*52*	*N. Richmond,Ind*
Grater, Marie	*SS*		‡	*7½*	*Carbondale*
Graves, Lester Herbert	*EE*	†	‡	*114*	*Wilmette*
Graves, Roy Martin	*CE*		‡		*Evanston*
Gray, Carl Raymond, Jr	*LA*	†		*131*	*St. Louis, Mo.*
Gray, Daniel DeWitte	*EE*	†		*14*	*Elgin*
Gray, Frank Brownfield	*A(S10)*	†		*142*	*St. Charles*
Gray, Fred Jay	*EE*	†		*145*	*Ottawa*
Gray, Harry Millison	*Ch*	†		*64*	*Joliet*
Green, Alta	*LA*		‡		*Oakwood*
Green, Bertha Agnes	*Mus*	†		*54*	*Ivesdale*
Green, Dorothy	*SS*		‡	*9½*	*Morrisonville*
Green, Howard Ruggles	*CE(S10)*	†	‡	*103½*	*Amboy*
Green, Joseph Peacock	*Agr(S11)*	†	‡	*109½*	*Chicago*
Green, Lonsdale, Jr	*ME*	†	‡	*112*	*Chicago*
Green, Ralph	*CE*		‡		*Chicago*
Green, Roy Ezra	*Agr*	†		*39½*	*Oakwood*
Greenburg, Roland Everett	*ME*		‡		*N. Richmond,Ind*
Greene, Arthur Ritchie	*Agr*	†	‡	*36*	*Lisle*
Greene, Birdie Wilmah	*SS*		‡	*26½*	*Tallula*
Greene, Joseph Nathaniel	*Agr*		‡		*Chicago*
Greenlaw, Frank Asbury	*LA*		‡		*Flora*
Greenman, Phillip Ray	*ME(S11)*		‡	*8*	*Pond Creek, Ok.*
Greenwell, James Roland	*LA*	†		*54*	*Mt. Sterling*
Gregg, Richard Seaton	*AE*	†	‡	*76*	*Peoria*
Gregg, Samuel Elza	*ME*	†	‡	*110*	*Rantoul*
Gregori, Raymond John	*AE*		‡		*Chicago*
Gregory, Alonzo Eugene	*SS*		‡	*8*	*Michigan C'y,Ind.*
Gregory, Lewis Throckmorton	*LA*	†	‡	*62*	*Chicago*
Gregory, Porter Tate	*EE*	†	‡	*33*	*Fulton, Ky.*
Gridley, Carl Rezner	*Agr*	†	‡	*64*	*Biggsville*
Greves, George Lowthane	*EE*		‡		*Peoria*
Grewe, Charles Henry	*Agr*		‡		*Chicago*

Grierson, Bertha May	SS	†			Champaign
Griesbaum, Erwin	ME(S10)	†	‡	18	New Baden
Griffin, Harry Milton	A		‡		Comersville, Ind.
Griffin, Jack Mitchell	Agr		‡		Evanston
Griffin, Wiley	S	†		9	Paris
Griffin, William Leroy	BLA	†	‡	33	Atkinson
Griffith, Beatrice Elizabeth	LA		‡		Carthage, Mo.
Griffith, Clarence Patrick	AE		‡		Champaign
Griffith, Logan Glassgow	L	†	‡	22	Pana
Griffith, Mildred Elizabeth	LA	†	‡	32	Ashton
Griftner, James Howard	ChE(S10)	†	‡	43	Champaign
Grigg, Dan Ralph	L(LA'11)	†	‡		Greenville
Grigsby, Bessie Louise	LA	†		33	Edwardsville
Grigsby, Myrtle Adelaide	HSAgr	†		22	Edwardsville
Grigsby, Marion William	CE	†		145	Peoria
Grigsby, Owen Eugene	EE	†		143	Nudina, Mex.
Grissom, Ruth Leone	HSAgr	†	‡	12	Armington
Griswold, George Durfee	ME		‡		Chicago
Grizzell, Roy Ames	S		‡		Murphysboro
Grooch, William Stephen	CerE		‡		El Paso, Tex.
Gross, Alfred William	SS	†		8 1-6	Monticello
Gross, Alfred Waldemar	LA		‡		Ft. Wayne, Ind.
Gross, Meda Floy	LA	†		77	Atwood
Gross, Theodore Otis	Agr		‡		New York, N. Y.
Grossmann, Andrew Eugene	L	†	‡	7	Chicago
Grossman, Ralph Emery	ME		‡		Champaign
Grout, Joe Carpenter	LA		‡		Winchester
Grove, Chester Hayward	EE	†	‡	141	Ottawa
Grove, Pearl Forest	S	†	‡	59	Urbana
Groves, Donald Karel	LA(S11)		‡	108	Chicago
Groves, Evangeline Eunice	LA	†	‡	104	Champaign
Groves, Mrs Inez Ward	Mus sp	†			Urbana
Groves, Mabel	SS		‡	39 5-6	Danville
Groves, Pauline Trabue	LA	†		130	Champaign
Gruenewald, Cornelia Henriette	SS	†		8	Jacksonville
Gruner, Irma Decora	HSAgr		‡		St. Louis, Mo.
Grunewald, Augustus Henry, Jr	Agr		‡		Chicago
Guernsey, Charles Owens	ME	†		78	Vincennes, Ind.
Guernsey, Jeanne	HSLA		‡		Chicago
Guinn, Lillian Melissa	Lb	†		31	Belle Plaine, Ia.
Gulley, Laurence Richard	EE	†		191	Urbana
Gum, Harry Allen	ME		‡		Marseilles
Gumaer, Percy Wilcox	EE	†	‡	138	Buffalo, N. Y.
Gumz, Johann Herman	EE		‡		Aurora
Gunderson, Alfred Joseph	Agr	†		133	Chicago
Gunning, Mary Edith	Mus sp	†			Tolono
Gustafson, Charles LeRoy	A(S10)	†	‡	116	Boone, Ia.
Guth, Emma	SS		‡	6½	Mascoutah
Gutting, Hilda Margaret	LA	†		42	Ottawa
Gutting, Leo Arthur	EE	†		131	Ottawa
Gwinn, Alta, A. M., 1910	SS		‡		Urbana
Gwinn, Avis	LA		‡	58	Urbana
Gwinn, Edith	LA		‡	30½	Urbana
Gwinn, Ethel, A. B., 1911	Mus		‡		Urbana
Haag, Vernon William	Ch		‡		Mazon
Haan, Mary Anna	LA	†	‡	97	Aurora
Habrylwicz, Valentine Bernard	EE	†	‡	110	Chicago
Hadden, Stanley Bear	RME	†	‡	29	Penfield
Hadley, Floyd Brittan	Agr	†	‡	18½	Cambridge

Hadnott, Zadie Azelie	*SS*		‡		*Birmingham, Ala.*
Haeffner, John George	*CE*	†		*140*	*Oak Park*
Hagan, Robert Murray	*Agr sp*	†		*19*	*Owensboro. Ky.*
Hagedorn, Frederick Arthur	*ME*	†		*142*	*Rock Island*
Hagener, Arthur	*A*	†		*75*	*Beardstown*
Haggott, William Stiles	*EE*	†		*36*	*Keokuk, Ia.*
Hahn, Hugo Joseph	*Agr*		‡		*Dyersville, Ia.*
Haines, Harlan Evan	*BLA*	†		*60*	*Bushnell*
Haines, Mabel Magdalene	*LA(S10)*	†	‡	*68⅓*	*Urbana*
Haines, Thomas Lloyd	*BLA*	†	‡	*112*	*Chicago*
Hakanson, Arthur Ferdinand	*ChE*	†		*41*	*Chicago*
Halas, Walter Henry	*AE*		‡		*Chicago*
Haldeman, Paul Johnson	*LA*		‡		*St. Louis, Mo.*
Hale, Fraser	*Agr*		‡		*Winnetka*
Hale, Mrs Jessie McConnell	*LA*	†		*6*	*Urbana*
Hale, Roy Joseph	*Agr*	†	‡	*61½*	*Taylorville*
Hall, Albert Leander	*L*	†	‡	*89*	*Waukegan*
Hall, Arthur Coleman	*SS*	†		*8*	*Mason City*
Hall, Clair Bertram	*BLA*	†		*21*	*Champaign*
Hall, Clarence E	*L*		‡		*Decatur*
Hall, Florence Ella	*S(S11)*		‡		*Peru*
Hall, Harriet	*Agr sp*		‡		*St. Louis, Mo.*
Hall, Homer	*LA(S11)*	†	‡	*97*	*Belvidere*
Hall, Lawrence Melville	*EE*	†	‡	*74*	*Kewanee*
Hall, Lisle Gwynne	*Agr*	†	‡	*32*	*Peoria*
Hall, Russell Pritchett	*Agr*	†	‡	*34*	*Niantic*
Hall, Thora Mabel	*LA*	†		*22*	*Champaign*
Halliday, Ruth	*LA(S11)*	†	‡	*28½*	*Clinton, Mich.*
Halliwell, Pauline	*LA*		‡		*Chicago*
Halstead, Elizabeth Mary	*SS*	†		*17 5-6*	*Carbondale*
Hamilton, Clarence Orval	*Md*	†		*112*	*Mt. Vernon*
*Hamilton, Harold Alexander	*ME*	†			*Chicago*
Hammer, Glenn Orville	*EE*		‡		*Morrison*
Hammitt, Andrew Baker	*A*		‡		*Des Moines, Ia.*
Hammond, Sarah Sanford	*SS*		‡		*Glencoe*
Hampton, Amy Irwin	*Mus*	†	‡	*100*	*Muscatine, Ia.*
Hamrin, Thomas Elmer	*Md*		‡		*Streator*
Hana, Leo Gregory	*L sp (S10)*	†	‡		*Champaign*
Hance, James Mordecai	*BLA*	†		*77*	*Newman*
Hancock, Emerson John	*LA*		‡		*Casey*
Hancock, Glen Edward	*BLA*	†	‡	*26*	*Rockford*
Hancock, John	*CE*		‡		*Fairmount, Ind.*
Hand, Owen Salisbury	*AE*	†	‡	*37*	*Champaign*
Handke, Paul Albert	*CerE*	†	‡	*70½*	*Evanston*
Handschin, Walter F	*Agr*		‡		*Urbana*
Hanes, Helen Leigh	*S*	†	‡	*32*	*Springfield*
Hanes, Murray Samuel	*AE(S10)*	†	‡	*79*	*Springfield*
Handlin, William Clyde, A. B.	*SS*		‡		*Lake Fork*
Haney, John Edward	*Agr*		‡		*Humboldt*
Hanford, Alfred Chester	*LA*	†	‡	*99*	*Carbondale*
Hankins, Orville Gerber	*Agr*	†	‡	*53*	*Decatur*
Hanley, John Connor	*Agr(S10)*	†	‡		*Chicago*
Hanley, John William	*S*	†		*34*	*E. St. Louis*
Hanley, Thomas Francis	*ME*	†		*23*	*Chicago*
Hanna, John Paul	*S*	†	‡	*118*	*Aurora*
Hanna, Philip Sidney	*BLA(S11)*	†	‡	*130½*	*Aurora*
Hannaford, Elbert Irvin	*AE*		‡		*Virginia, Minn.*
Hannah, Harry Ingalls	*LA*	†	‡	*54*	*Fithian*
Hannant, John Ray	*Agr*	†			*Perry*

Hansen, Mabel Lawrine	*HSAgr*		‡		*Jackson, Minn.*
Hansen, Merritt Rasmus	*CE*	†	‡	*82*	*Rogers Park*
Hansen, Roy	*Agr*	†	‡	*64*	*Rock Island*
Hansen, Viggo	*CE*		‡	*100½*	*Morris*
Hansen, Willard Klove	*Agr sp*	†		*18½*	*Leland*
Hanson, Claude LeRoy	*CE*	†	‡	*108*	*Batavia*
Hanson, Roy Walfred	*AE*	†	‡	*31*	*Oakland, Neb.*
Hanson, Russell Orrin	*L*	†			*Morris*
Happer, Josephine Alice	*S(S10)*	†	‡	*100½*	*Urbana*
Harbour, Albert Stanley	*ME*	†	‡	*37*	*Decatur*
Harding, Albert Austin	*SS*		‡		*Champaign*
Hardinger, Burt Horace	*Md*	†	‡	*33*	*Gays*
Hardinger, Ralph Wilbur	*Md(S11)*	†	‡	*70*	*Gays*
Hare, Faye Charles	*LA*	†	‡	*68*	*Gilman*
Hare, Howard Bracken	*BLA*	†		*15½*	*Chicago*
Hargitt, George Harold	*EE(S10)*	†		*31½*	*Aurora*
Harmon, Albert Mozart	*EE(S10)*	†	‡	*57½*	*Chicago*
Harman, Harris Jacob	*CE*		‡		*Peoria*
Harmon, Marvin Terry	*Agr*	†		*132*	*Lebanon*
Harms, Louis Arthur Peter	*S(S10)*	†		*131½*	*Dolton*
Harnack, George A	*CE*	†	‡	*108*	*Champaign*
Harner, George Madison	*Agr(S11)*	†	‡	*43*	*St. Johns, O.*
Harner, Horace Hugo	*A*	†	‡	*11*	*Fulton, Mo.*
Harney, Thomas Richard	*LA*		‡		*Danville, Ind.*
Harnist, Carl Wilhelm	*ME(S11)*	†	‡	*100*	*Edwardsville*
Harnsberger, Viola Gertrude	*Mus*		‡		*Champaign*
Harper, Edward Clarke	*A*	†	‡	*30*	*Enderlin, N. D.*
Harper, Frederick William	*Md*		‡		*Enderlin, N. D.*
Harper, Julia Alberta	*LA*	†	‡	*78*	*Urbana*
Harper, Lester Blaine	*LA*	†		*30*	*Darlington, Ind.*
Harper, Raymond Samuel	*SS*	†		*67*	*Chicago*
Harpham, Ralph Barwick	*Agr*	†		*33½*	*Havana*
Harriman, Elmer Wellington	*Mus sp*	†		*3*	*Urbana*
Harris, Clyde Dunbar	*SS*		‡	*9*	*Dongola*
Harris, Earle Warren	*BLA*	†	‡	*52½*	*Chicago*
Harris, Herbert Henry	*Agr*	†	‡	*19½*	*Cairo*
Harris, Leila Dorothy	*LA(S10)*	†		*131*	*Champaign*
Harris, Lois Myrtle	*S*		‡		*Sheldon*
Harris, Margaret Ray	*LA*	†	‡	*30*	*Champaign*
Harris, Roscoe Conkling	*ME*	†	‡	*72*	*Champaign*
Harris, Roy Knight	*L*		‡		*Colfax*
Harris, William	*SS*		‡	*26½*	*Altamont*
Harris, William Pliny	*SS*	†		*45-6*	*Joplin, Mo.*
Harrison, Bernice	*LA*	†	‡	*104*	*Champaign*
Harrison, Flora Agnes	*SS*		‡		*Dunlap*
Harrison, Homer Howard	*ME*	†	‡	*37*	*Chicago*
Harrover, Mary Agatha	*LA sp (S11)*		‡	*2*	*Burlington, Ia.*
Harshbarger, Clara Belle	*LA(S11)*		‡	*7*	*Arcola*
Harshbarger, Ernest Mason	*LA*	†		*52*	*Ivesdale*
Harshbarger, James Francis	*S(S11)*	†	‡	*73*	*Arcola*
Harshbarger, Harvey Kelsey	*ME*		‡		*Mattoon*
Harshman, Wayne Floyd	*EE*	†		*141*	*Griggsville*
Hart, Alice May	*SS*	†			*Brighton*
Hart, Edward Daniel	*SS*		‡		*Villa Grove*
Hart, Hazel Charlotte	*LA(S11)*	†	‡	*93 2-3*	*Champaign*
Hart, Herbert Earl	*BLA*		‡		*Westfield, Mass.*
Hart, Jabez Waterman	*ME(S11)*	†	‡	*61*	*Champaign*
Hart, Myron Bishop	*Agr*	†	‡	*17*	*Kenilworth*
Hart, Otis Stanley	*Agr*	†		*2½*	*Mattoon*

Hart, Paul Mathew	*EE*	†	‡	*37*	*Clinton*
Hart, Richard Nelson	*Agr sp*		‡		*Brighton*
Hart, William Edward	*Agr*		‡	*133*	*Brighton*
Hartbank, Frederic William	*CE*		‡		*Tolono*
Harter, Earl Clark	*Agr*	†	‡	*16½*	*Wenona*
Harting, Mildred Ellen	*HSLA*	†	‡	*24*	*Alexandria, Ind.*
Hartman, Laura Ellen	*LA*		‡		*Wellington*
Hartmann, Carl Alfred	*BLA*		‡		*Alton*
Hartmann, Ernest John	*L*	†			*Chicago*
Hartsock, Nellie Mae	*HSLA*	†	‡	*67*	*Clinton*
Harwood, Frank David	*SS*	†		*12*	*Flora*
Harwood, Herrick Hopkins	*L(S10)*	†	‡	*67*	*Carrollton*
Hasberg, William Maer	*ME*	†	‡	*142½*	*Chicago*
Hasgall, Myles Sigmund	*LA*		‡		*St. Louis, Mo.*
Hash, Susan Alice	*LA*	†	‡	*110*	*Boswell, Ind.*
Hasker, Edwin Lawrie	*BLA*	†	‡	*35*	*Kankakee*
Hasselquist, Egbert Joshua	*ME*	†	‡	*121*	*Rock Island*
Hassler, Herbert Deveille	*S sp*		‡		*Urbana*
Hastings, Nellie	*HSLA*	†			*Champaign*
Hatch, Alice Ruth	*HSS*	†	‡	*59*	*Richmond*
Hatch, Edith Irene	*S*	†		*127*	*Richmond*
Hatch, Elizabeth Mary	*LA(S11)*	†	‡	*133½*	*Chicago*
Hatch, Ralph Snyder	*EE(S10)*	†		*145½*	*Elgin*
Hatch, Walter Samuels	*Agr*	†	‡	*89½*	*Avon*
Hatowski, Eiijah Robert	*EE*	†	‡	*36*	*Oak Park*
Hattori, Koichi	*CE(S11)*	†	‡	*134*	*Sapporo, Japan*
Hauber, Carl	*A*		‡		*Springfield, Mo.*
Hauser, Warren Clifford	*ME*		‡		*Evanston*
Haven, Clarence Irwin	*MSE*	†	‡	*106½*	*Greenfield*
Haven, Mabel Hallie	*LA*	†	‡	*52*	*Greenfield*
Havens, Grace Adelaide	*HSAgr(S11)*		‡	*8½*	*Chicago*
Hawes, George Harrison	*MnE*	†		*23*	*Chicago*
Hawkes, William	*SS*	†	‡	*129 1-6*	*Minonk*
Hawkins, Ralph Roscoe	*ME*	†	‡	*74*	*Palestine*
Hawley, Alfred DeWitt	*CE*	†	‡	*36*	*Pittsford, N. Y.*
Hawley, John Baldwin	*A(S11)*	†	‡	*105½*	*Trinidad, Colo.*
Hay, Clair Edwards	*Agr*	†	‡	*73*	*Ottawa*
Hay, Henry Collins	*L*	†	‡	*20*	*Urbana*
Hayden, Merwin Mason	*CE(S10)*	†		*50*	*Chicago Heights*
Hayden, Vernon Lewis	*SS*	†			*Lowell, Ind.*
Hayes, Augustus Washington, B.S., 1907	*L*	†			*Pleasant Plains*
Hayes, Edward Bean	*SS*		‡		*Urbana*
Hayes, Frances Eugenia	*HSLA sp*	†		*12*	*Bunker Hill*
Hayes, Vera June	*SS*	†		*2*	*Peoria*
Hayes, William Bertram	*BLA*		‡		*Champaign*
Haynes, A Saunders	*Agr*		‡		*Springfield*
Haynes, Henry Holsburg	*Agr*	†	‡	*19½*	*Geneseo*
Haynes, Jerome King	*ChE*		‡	*52*	*Auburn, N. Y.*
Hays, Don Llewelyn	*EE(S10-11)*	†	‡	*110½*	*Champaign*
Hays, Forrest Perin	*BLA*	†	‡	*32*	*St. Louis, Mo.*
Hays, Harry Norman	*Agr*	†	‡	*103*	*Bement*
Hazen, Horace Amos	*Agr sp*		‡		*Champaign*
Hazen, Lewis Conn	*Agr*	†		*20*	*Galesburg*
Hazlewood, Paul Joseph	*EE*		‡		*Bloomington*
Heafer, Harold William	*Agr*		‡		*Chicago*
Healy, Emmet Joseph	*CE*	†	‡	*82*	*Chicago*
Healy, Fred Albert	*Agr*	†	‡	*25*	*Aurora*
Healy, Wellington Carleton	*BLA*	†	‡	*26*	*Rochelle*
Hearn, Alma	*Mus sp*	†	‡	*1*	*Grayville*

Heater, Elmer Franklin	EE	†		147	Champaign
Heath, Edith Mary	LA		‡		Amboy
Heath, Nathaniel Pinckard	EE	†	‡	74	Evanston
Heath, Trevor Morse	Agr	†	‡	14½	Chicago
Hecht, August George	Agr(S10)		‡	11	Wellston, Mo.
Hecht, Harold	LA	†		70	Charles City, Ia.
Heck, Arthur Floyd	Agr(S11)	†	‡	55	Oblong
Hecketsweiler, Roy Thomas	LA		‡		Rockefeller
Hedden, Prue Annabel	SS	†			Taylorville
Hedges, Guy Otis	LA sp	†		21	Colfax
Hedges, Leo Beethoven	ChE	†	‡	68	Colfax
Hedman, Herbert Ragnvald	S(S10-11)	†	‡	95	Chicago
Hedrick, Nell Josephine	Mus	†	‡	4	Ottumwa, Ia. ..
Hegnauer, Robert Lucius	Agr(S11)	†	‡	73½	Appleton City, Ia.
Heflin, James Edgar	SS		‡	9	Versailles
Heidhues, Harry Eberhard	Agr	†	‡	49	Chicago
Heidkamp, Emil Nicholas	CE	†	‡	84	Chicago
Heilman, Harold Chester	ME	†	‡	124	Philadelphia, Pa.
Heim, William Edward	Agr		‡		Roselle
Heimbrodt, Carl Edwards	A(S11)	†	‡	32½	Chicago
Hein, Mary Rachel	SS		‡	7½	Champaign
Hein, Mason August	SS		‡	5	Champaign
Heindel, John Harold	AE		‡		Elgin
Heinzelmann, Alfred Martin	S		‡		Aurora
Heiple, Harold Rae	Agr		‡		Washington
Helander, Linn	ME	†	‡	28	Chicago
Helfrick, Ray Eichorn	A		‡		Elkhart, Ind.
Helgeland, Lily Isabel	SS	†		8	Elliott
Helm, John Jacob, Jr	Agr	†	‡	5½	Grayville
Helm, Lloyd Lannes	LA	†	‡	100	Metropolis
Helmle, Henry Richardson	A	†		127½	Springfield
Helms, Eugene Henry	Agr		‡		Belleville
Helt, Harry Clifford	ME	†	‡	23	Indianapolis, Ind.
Hemphill, Chester Abram	LA	†	‡	26	Jacksonville
Hemsen, Christian Nicholas	L	†		87	Mansfield
Hemsing, Mabel Glena	LA	†		25	Stoughton, Wis.
Henderson, Alexander Swift	EE(S11)	†	‡	26	Chicago
Henderson, Fred	Agr	†	‡	41½	Monmouth
Henderson, Gladys Byron	LA(S11)	†		33	Chicago
Henderson, William McKinley	Agr		‡		Ridgefarm
Hendrickson, Harold Lee	Agr	†		59½	Fulton, Ind.
Henley, Henry Benjamin	S	†	‡	105	Carthage, Ind.
Henley, Robert Morrow	S	†	‡	100½	Carthage, Ind.
Henline, Henry Harrison	EE	†	‡	37	Colfax
Henn, Otho Manson	BLA(S10-11)	†		111⅔	Brocton
Henricks, Harold Hopkins	ME(S10)	†		51½	Champaign
Henry, Cecil Douglas	EE	†		142	Danville
Henry, Mary Anne	LA		‡		Paloma
Henry, Percy Chandler	EE		‡		Hot Springs, Ark.
Hepburn, Thomas McDonald	CE	†	‡	65	Genoa
Herbert, Harold Harvey	BLA(S11)	†	‡	107	Freeport
Herbert, James John Michael	BLA sp	†	‡	32	Oak Park
Herbolsheimer, Albert John	Agr(S10)	†	‡	41	Princeton
Herdman, Carrie Belle	S	†	‡	35	Winnetka
Hermann, Edgar Paul	ChE	†	‡	74	Sterling
Hermann, Ralph Leroy	EE		‡		Woodbine
Herndon, John William	S	†	‡	35	Springfield
Heron, Percy Hotspur	SS	†		9½	Chicago
Herrcke, Ernest Arthur	ME	†		142	La Salle

Herrick, Grace Emma A.B. (*Carleton Coll.*) 1895	*Lb*	†		*68*	*Rockford*
Herrick, G Wirt	*L*	†	‡	*21*	*Farmer City*
Herrick, Wayne Dayre	*Agr*	†	‡	*27½*	*Farmer City*
Herriot, James Skinner	*Agr*		‡		*Princeton, Ind.*
Hershey, Charlie Brown	*LA*	†	‡	*70*	*Piqua, O.*
Hersman, Bessie Edna	*LA*	†	‡	*75*	*Hersman*
Hersman, Ernest Glen	*A*	†	‡	*40*	*Hersman*
Herzer, Margaretha	*SS*		‡	*23⅔*	*Springfield*
Heseltine, Eleanor DeMuzeen	*LA*	†		*131*	*Chicago*
Hess, Carl Valentine	*A*	†		*84½*	*Thayer, Kan.*
Hess, Gailord Ray	*Md*	†	‡	*21 5-6*	*Momence*
Hess, Julian Conrad	*EE*	†	‡	*33*	*Wilmette*
Hess, Mildred Olive	*HSLA*	†			*Hinsdale*
Hess, Samuel Earl	*CE*		‡		*Glasford*
Hess, Abigail Marie A.B., 1910	*SS*		‡		*Sugar Grove*
Hess, Helen Ida	*SS*		‡	*3½*	*Jonesboro*
Hesselbaum, Caroline Elizabeth	*SS*	†	‡	*112½*	*Aurora*
Hetzler, Vaughn Glenn	*Agr sp*		‡		*Chestnut*
Hewes, Charles Kay	*ChE*	†	‡	*106*	*Quincy*
Hewins, Melvin Edwin	*MnE*		‡		*Loda*
Hewitt, Henry Miller	*BLA*	†	‡	*27*	*Franklin Grove*
Hewitt, James Herbert	*CE*	†	‡	*122*	*Lebanon*
Hewitt, Mary Durkes	*LA*		‡	*41*	*Franklin Grove*
Heyle, Allan Warren	*Agr*	†		*75*	*Peoria*
Heywood, Harold William	*CE*	†	‡	*26*	*Chicago*
Heuston, Howard Hull	*SS*	†		*3⅔*	*Marion*
Hickman, Burr James	*LA*		‡		*Urbana*
Hickman, Feryl France	*LA*		‡		*Urbana*
Hicks, Lester Warren	*Agr sp*		‡		*Ashkum*
Hicks, Roscoe Herman	*BLA*	†	‡	*68*	*Colfax*
Hicks, William Ellsworth	*BLA*	†	‡	*130*	*Hardenville*
Higgins, Max Brown	*SS*	†		*77*	*Joliet*
Highfill, Inez Phelps A.B., 1910	*SS*	†			*Urbana*
Higley, Harvey Van Zandt	*ChE*	†	‡	*35*	*Glen Ellyn*
Hildebrand, Arthur John	*BLA*		‡		*Rockford*
Hilfer, Fred Edward	*A*	†	‡	*71*	*Chicago*
Hill, Charles Francis	*S*		‡		*Toledo*
Hill, Charles Nelson	*BLA*	†	‡	*72½*	*Cave-in-Rock*
Hill, Chauncey Steavens	*Agr*	†	‡	*35*	*Champaign*
Hill, David Austin	*MSE*		‡		*Chicago*
Hill, Fanny Wilder A.B., 1910	*Mus(S11)*		‡		*Champaign*
Hill, Fred James	*Cer*		‡		*Harvard*
Hill, Harold Vater	*AE(S10)*	†		*129*	*Indianapolis, Ind.*
Hill, Jesse Levin	*SS*	†	‡	*8½*	*Ridgefarm*
Hill, John William	*CE*	†	‡	*68*	*Chicago*
Hill, Lucy Belle	*Mus(S11)*	†	‡	*7*	*Urbana*
Hill, Margaret Dorothy	*HSAgr*	†	‡	*22*	*Chicago*
Hill, Raybern Coe	*Agr sp*		‡		*Baylis*
Hill, William Ely	*LA*	†		*55*	*LaGrange*
Hill, Wilma Marie	*LA*		‡		*Dayton, Ind.*
Hill, Stanley	*S*		‡		*Mattoon*
Hillman, Arthur	*CE*	†		*64*	*Chicago*
Hillman, Eugene Lyon	*BLA*	†		*48*	*Marshall*
Hills, Louis John	*MSE*		‡		*Joliet*
Himes, Milo Donald	*Agr*	†		*53*	*LaFayette*

Hinchliff, George Edward	S	†	‡	106	Chicago
Hinkle, Homer Marion	SS	†		12 5-6	Dongola
Hinman, Robert Bruce	Agr		‡		Dundee
Hinrichsen, Fred Albert	BLA	†	‡	67	Davenport, Ia.
Hinshaw, Hazel Elizabeth	HSLA	†	‡	39	Ridge Farm
Hinshaw, Joseph Howard	LA	†	‡	66	Harrisburg
Hippard, George Girard	L	†		79	Springfield
Hirschl, Jackson Edward	A	†	‡	53	Davenport, Ia.
Hirth, Laura	HSAgr		‡		Quincy
Hirtzel, Clara Lilly	LA(S10-11)	†		56½	Effingham
Hiserodt, William Webb	BLA	†	‡	72	Urbana
Hislop, Tom Ford	Agr	†	‡	100½	Chicago
Hitch, Dorris Nelson	L	†	‡	59	Champaign
Hitchcock, Earl Wilkie	Agr		‡		Hallowell, Kan.
Hite, Birney Sinclair	RME	†			Shelbyville
Hitt, Katherine	LA		‡		Chicago
Hixon, William Mason	LA		‡		Urbana
Hjort, Axel Magnus	Agr	†		47½	Chicago
Ho, Chieh	SS	†		7	Canton, China
Ho, Chung Ming	SS		‡	21	Canton, China
Hoadley, Marian	SS	†		17 5-6	Streator
Hobart, Clyde Monroe	LA(S10-11)	†	‡	93	Urbana
Hobart, Ralph Chamberlain	Agr	†	‡	70	Roscoe
Hobler, Atherton Wells	BLA	†	‡	128¼	Batavia
Hobson, Norman Thomas	A	†	‡	36	Harvey
Hodge, William Walter	Agr	†		24	Paris
Hodges, Duncan C	ME		‡		Pentwater, Mich.
Hodgins, William Brooks	ME	†	‡	44½	Little Rock, Ark.
Hoehn, Beatrice Eva	SS	†	‡	20 5-6	Carlinville
Hoehn, Frank Louis	SS		‡		Mt. Olive
Hoeppner, Edmund Gottlieb	AE	†	‡	112	Eau Claire, Wis.
Hofacker, Olga Vera	LA	†		130	Peoria
Hoff, John LeRoy	SS	†	‡	19 5-6	Ottawa
Hoff, Rolf Suckow	Agr	†		14	Oak Park
Hoffert, Anna Cathryn	LA		‡		Pekin
Hoffman, Frank Joseph	A	†	‡	63⅔	Sharpsville, Ind.
Hoffman, John Neal	Md	†	‡	25	Pesotum
Hoffman, Reyburn Paul	A	†	‡	34	St. Louis, Mo.
Hoffman, Robert William	Agr		‡		Chicago
Hogan, Aloysius	MSE		‡		Chicago
Hogan, George Washington, Jr	LA		‡		McLeansboro
Hogan, Gertrude May	SS		‡	4	Pana
Hogg, James Oliver, Jr	A		‡		Kansas City, Mo.
Hogge, John Edwin	S sp		‡		Kansas City, Mo.
Hohmann, Howard Christopher	EE	†	‡	80	Blue Island
Hoit, Maurice Elon	Agr		‡		Geneseo
Hoke, Josiah Campbell	Agr sp	†	‡		Sullivan
Holbrook, Albion Paris, Jr	Agr sp	†		9	Oak Park
Holbrook, Howard Crouarse	Agr		‡		Oak Park
Holch, Arthur Everett	LA	†	‡	65	Gilman
Holden, Will George	Agr	†		35	Elgin
Hollandsworth, Blanche Louise	LA		‡		Canton
Holley, Charles Elmer	LA(S10)	†	‡	100⅛	Franklin Grove
Hollard, Henry Walter	Agr sp		‡		Highland
Hollis, James Gilbert	ME	†	‡	54	Champaign
Hollister, Noble Parker	Agr	†	‡	27	Champaign
Holliston, Arthur Aird	LA	†		53	Mendota
Hollmann, Edward Emil	Ch(S10)	†		108½	St. Louis, Mo.
Halloway, G Arthur	L sp		‡		Vermillion

Hallowed, John Francis	*CE*	†		*44*	*Chicago*
Holman, Almeda May	*Lb*	†		*37*	*Rockwell, Ia.*
Holmburger, Max	*ME*		‡		*Chicago*
Holmes, Albert Allen	*SS*		‡	*8*	*Warsaw*
Holmes, Charles Wilbur	*Agr sp*		‡		*Chillicothe*
Holmes, Walter Edward	*CE*	†	‡	*73*	*Chicago*
Holmes, Wilbur	*ME*		‡		*Urbana*
Holson, Juanita Isobel	*LA*	†	‡	*21*	*Farina*
Holt, Arthur Parker	*Agr(S11)*	†	‡	*43*	*Shawneetown*
Holt, Emery Ford	*EE*	†	‡	*76*	*Shawneetown*
Holton, Carly Ames	*CE*	†	‡	*74*	*Sidell*
Holton, Frankie Leo	*LA(S11)*	†	‡	*35½*	*Sidell*
Holzgrafe, Bertha Josephine	*SS*	†		*5*	*Havana*
Homann, Ferdinand	*Agr sp*		‡		*Mattoon*
Homberger, Lydia Bertha	*LA*	†		*68*	*Sauk City, Wis.*
Homburg, Frederick	*SS*		‡		*Cincinnati, O.*
Home, Charles William	*ME*		‡		*Jacksonville*
Honderich, Francis Irvin	*EE*		‡	*40*	*Marshall*
Honer, William Arthur	*A*		‡		*Jackson, Mich.*
Honey, Edwin Earl	*Agr*	†		*16*	*Dixon*
Hood, Clifford Firoud	*EE*		‡		*Cameron*
Hood, James Horace	*EE*		‡		*Arcola*
Hoog, Ida	*SS*		‡		*Litchfield*
Hooker, Orval N	*CE(S11)*	†	‡	*75*	*Urbana*
Hooppaw, Bessie	*LA(S10)*	†		*44*	*Champaign*
Hoover, Isabel	*LA*	†	‡	*27*	*Bushnell*
Hoover, Joshua Elvin	*SS*		‡	*8*	*Georgetown*
Hopkins, Elliott Budd	*ME*	†	‡	*40*	*Racine, Wis.*
Hopkins, Deane	*S*	†		*104*	*Racine, Wis.*
Hopkins, Gold Samuel	*BLA(S10)*		‡		*Champaign*
Hopkins, Guy Beatty	*EE*	†	‡	*37*	*New Canton*
Hopkins, Mary Morton	*LA(S10)*	†		*130 1-6*	*Champaign*
Horn, Charles Frederick	*BLA*	†		*7*	*Crete*
Horn, Elgie Lloyd	*Agr*		‡		*Streator*
Horn, Walter Leopold	*LA*	†			*Crete*
Hornal, William	*A....*		‡		*E. St. Louis*
Hornbaker, William Orville	*LA*	†			*Urbana*
Horner, Robert Messenger	*SS*		‡	*9*	*Sterling, Kan.*
Horning, Roy Arthur	*Cer*	†	‡	*36*	*Paris*
Hornor, James Lee	*ME*		‡		*Clarksb'g, W. Va.*
Hornor, Nellie Nancy	*S*	†	‡	*108*	*Danville*
Hornung, Martin Robert	*Cer*	†	‡	*71*	*Chicago*
Horr, Leonard Woods	*ME*	†		*142*	*LaGrange*
Horrell, Charles Rush	*EE*	†	‡	*74*	*Macomb*
Horst, Anton Edward	*ME*	†		*151*	*Rock Island*
Horst, Henry Theodore	*AE sp*	†		*30*	*Rock Island*
Horwich, Louis Julius	*A*	†	‡	*42*	*Chicago*
Hoskins, Carrie Elsie	*HSAgr(S11)*	†	‡	*93*	*Norris City*
Hoskins, Edna	*HSAgr*	†	‡	*96*	*LaGrange*
Hoskins, Mildred	*LA sp(S10-11)*	†	‡	*59*	*Norris City*
Hoskins, William, Jr	*BLA*	†	‡	*32*	*LaGrange*
Hoskinson, Bruce Quin	*SS*	†	‡	*19⅔*	*West York*
Hosmer, Howard	*BLA*	†	‡	*35*	*Nashville*
Hostetler, Joseph Columbus	*LA*		‡		*Decatur*
Hostetler, Ruth	*SS*		‡	*5*	*Charleston*
Hostetter, Ross Barber	*Agr*	†	‡	*86*	*Chrisman*
Hough, Charles Francis, Jr	*S*		‡		*Champaign*
Hough, Helen Elizabeth	*LA*		‡	*60*	*Champaign*
Hougham, Sarah Chase	*Lb sp*		‡		*Manhattan, Kan.*

Houghton, Nelson Vaughn	*Agr sp*		‡		*Sheffield*
Hoult, Bessie Busey	*HSLA*	†	‡	*103*	*Chrisman*
Housman, John Smith	*MnE*	†	‡	*37*	*Canton*
Howard, Frederick Alfred	*L*	†			*Paris*
Howard, M Mary	*S*		‡	*32½*	*Champaign*
Howard, William H	*LA*		‡		*Bloomfield, Ind.*
Howat, Keith William	*Agr sp*		‡		*Canton*
Howat, Walter Leonard	*Cer*		‡		*Canton*
Howe, Edward Gardiner, Jr	*Agr*	†	‡	*51*	*Chicago*
Howe, Earl William	*Agr*	†		*90*	*Miles City, Mont.*
Howe, Harold James	*LA*		‡		*Galesburg*
Howe, Harvey William	*EE*	†		*157*	*Chicago*
Howe, Paul Edward Ph.D., 1910	*SS*		‡		*Champaign*
Howe, Ralph	*Agr*		‡		*Tuscola*
Howe, William Thomas	*Agr*		‡		*Tuscola*
Howell, Carrie Barnes	*SS*	†			*Champaign*
Howell, Robert Applegate	*Agr sp*		‡		*Dayton, O.*
Howes, Herbert Edward	*Agr*	†	‡	*38*	*West Pullman*
Howk, Charles Dean	*LA*		‡		*Momence*
Hoy, Harry Russell	*LA*	†	‡	*50*	*Freeport*
Hoy, Lucy Frances	*LA*	†		*32*	*Urbana*
Hribal, Edward A	*AE*	†	‡	*74½*	*Chicago*
Hsu, Chih	*CE*	†	‡	*106*	*Hong K'g, China*
Hsu, Chu Shi	*BLA*	†	‡	*27*	*Shantung, China*
Hsu, Tsung Han	*Agr(S10-11)*	†	‡	*36½*	*Shantung, China*
Hsuch, Ching-piao	*LA(S11)*	†	‡	*19*	*Shanghai, China*
Hubbard, Esther Marie	*LA*	†	‡	*26*	*Urbana*
Hubbard, Harold H	*ME*		‡		*Rockford, Ia.*
Hubbard, Lucy Eleanor	*HSS*	†	‡	*59*	*Urbana*
Hubbard, Laura Mary A.B. (*Western Coll.*) 1896	*Lb*		‡		*Lockwood, Ohio*
Hubbard, William Francis	*ME*		‡		*Rockford*
Hubbard, Mrs W P	*LA sp*		‡		*Urbana*
Huber, Harold Everett	*L*	†	‡	*54*	*Champaign*
Huber, Joseph Earl	*CE*	†	‡	*108*	*Champaign*
Hudelson, Clyde Whittaker	*Agr sp*	†	‡	*33*	*Gooding, Idaho*
Hudelson, Robert R	*Agr*	†	‡	*119*	*Chambersburg*
Hudgens, Mitt R	*Agr sp*		‡		*Sandwich*
Hudson, Mary Gladys	*LA*		‡		*Sullivan*
Hueser, Harry Allovisius	*AE*		‡		*Ft. Madison, Ia.*
Huff, James Orton	*LA*	†		*138½*	*Rushville*
Huff, Roger Grant	*L*		‡	*22*	*Sullivan*
Hufford, Charles Thurman	*Agr*	†	‡	*5*	*Herald*
Hughes, Cecil A	*Agr*		‡	*28½*	*Gays*
Hughes, Cornelius Roger	*Agr*	†		*11*	*St. Louis, Mo.*
Hughes, John Harvey	*Agr*	†	‡	*63*	*Gessie, Ind.*
Huisken, Arthur H	*ChE*		‡		*Chicago*
Hulburd, Annabel Amanda	*LA sp*	†		*11*	*Brasher Falls, N. Y.*
Hull, Clarence Thomas	*ME*	†	‡	*60*	*Ft. Madison, Ia.*
Hull, Daniel Ray	*Agr*	†	‡	*69½*	*Orange, Cal.*
Hull, Frederick Davis	*EE(S10-11)*	†	‡	*110½*	*Morris*
Hull, Homer Boys	*Agr*	†	‡	*104½*	*Saunemin*
Hull, Walker Francis	*L*	†	‡	*84*	*Urbana*
Hull, William Henry	*ME(S10)*	†	‡	*95½*	*Moline*
Humphrey, Glenn Salter	*Md*		‡		*Gilman*
Humphrey, Herbert Kay	*EE*	†		*155*	*Chicago*
Hungate, Harold Grandison	*EE*	†	‡	*28*	*LaHarpe*
Hungerford, Charles Everett	*CE*		‡		*Loda*

Hunt, Ada Eleanor	*HSS*	†	‡	104	*Ridott*
Hunt, Elberta	*HSAgr*	†		16	*Morris*
Hunt, Florence Jennie	*HSS*		‡		*Ridott*
Hunt, George Milan	*BLA*		‡		*N. Yakima, Wash.*
Hunter, Charles Madison	*Agr*	†	‡	59	*Abingdon*
Hunter, Edna Oral	*Mus*	†	‡	19	*Findlay*
Hunter, James Albert	*LA*	†	‡	70½	*Peoria*
Hunter, Russell Field	*S*	†	‡	80	*Chillicothe*
Huntington, Carroll Sowles	*ME*	†		142	*Onawa, Ia.*
Huntoon, Geneva	*LA*	†	‡	59	*Grand Jct., Colo.*
Hurlstone, Frank James	*BLA*		‡		*Harvard*
Hurst, Eva May	*Lb*		‡		*Macy, Ind.*
Husband, Robert Maurice	*ME*		‡		*Litchfield*
Husted, Guy Harold	*Agr*		‡		*Roodhouse*
Husted, Lee A	*ME*		‡		*Roodhouse*
Hussander, Lillie	*SS*		‡		*Chicago*
Huston, Joseph Alfred	*L sp(S10-11)*	†	‡	60	*Gibson City*
Hutchings, John Bacon C.E. *(Purdue Univ.)* 1905	*A*	†			*Louisville, Ky.*
Hutchins, Marjorie	*Mus*		‡		*Urbana*
Hutchins, William Adelbert	*Md*	†		78	*Freeport*
Hutchinson, Mary Anne	*S*	†		130	*Capron*
Huxmann, Richard	*CE*	†	‡	87½	*Chicago*
Hyde, Henry Fillmore	*Agr*	†	‡	27	*Shabbona Grove*
Hymowitz, Mandel Herbert	*A*		‡		*Chicago*
Ice, Noel Carlysle	*Md*	†	‡	66	*Gifford*
Iida, Tadashi	*EE(S10-11)*	†	‡	98	*Tokyo, Japan*
Imlay, Hugh Anthony	*Agr(S10)*	†		148½	*Zanesville, O.*
Inagaki, Nobtaro	*BLA(S11)*	†	‡	37½	*Tokyo, Japan*
Ingalls, Horace Ballou	*Agr*		‡		*Urbana*
Ingalls, Ross Darwin	*EE*	†	‡	109	*Brownville, N. Y.*
Ingersoll, Harold Bennett	*S*	†	‡	106	*Chicago*
Ingham, Alice	*SS*	†		2⅔	*Clyde*
Ingold, Vivian Johnson	*AE*	†	‡	78	*Appleton, Wis.*
Ingram, Henry Jerome	*L(S11)*	†	‡	40	*Wyoming*
Ingram, Ralph Evans	*Agr sp*	†		2½	*Terre H'te, Ind.*
Ingram, William Verity	*AE*	†	‡	120	*Chicago*
Inman, Shirley J	*SS*		‡		*Morrison*
Ireland, Grant Robbins	*L*	†		49	*Washburn*
Irvin, Stanley Pieffer	*BLA*		‡		*Griffith, Ind.*
Irwin, Jay Lawrence	*CE*	†		144	*Ottawa*
Israel, Arthur Lyle	*ChE*	†	‡	128	*Chicago*
Isneberg, Oliver Charles	*SS*		‡		*Brighton*
Ismay, Lottie May	*SS*		‡	5	*Fulton, Mo.*
Ivens, Aaron Ralph	*L*	†	‡	20	*Decatur*
Izant, James Rossiter	*BLA*		‡		*Warren, O.*
Jackson, Emma Albertina A.B. *(Univ. Colo.)* 1911	*Lb*		‡		*Red Oak, Ia.*
Jackson, Eva Jane	*HSLA(S11)*	†	‡	97	*Champaign*
Jackson, Mabel J	*LA(S11)*		‡	9	*Danville*
Jackson, Ralph Nathaniel	*EE(S10)*	†		145	*Aurora*
Jackson, Ruth Whittier	*SS*		‡	6½	*Eureka*
Jacobs, Eda Auguste	*HSLA*	†	‡	31	*Urbana*
Jacobs, Ida Katherine	*SS*	†		4	*Chicago*
Jacobs, John Clifford	*CE*	†		11	*Amboy*
Jacobsen, Walter Herman	*BLA*	†	‡	30	*Urbana*
Jacobson, John David	*Ch(S10)*	†		19	*Chicago*
Jacobson, Roy Gilbert	*ME*	†			*DeKalb*
Jacobson, Seymour Alexander	*CE*	†		148	*Chicago*

Jahn, Harry Francis	*MSE*	†	‡	*112*	*Chicago*
Jalandoni, Doroteo	*Agr sp*		‡		*Jaro, Iloilo, P. I.*
Jalandoni, Jose Ledesma	*LA(S11)*	†	‡	*70*	*Jaro, Iloilo, P. I.*
James, Edward Allen	*EE*		‡		*Amboy*
James, Foy Clifton	*Agr*	†		*4½*	*Bushton*
James, Lenton Willis	*Agr*		‡		*Canton*
James, Louise Ann	*LA*	†		*133*	*Amboy*
James, Phebe Elizabeth	*LA*	†	‡	*24*	*Mansfield*
James, Russell Louis	*Agr*	†		*19½*	*Crystal Lake*
Jamison, Martha Gertrude	*Lb*	†		*66*	*Monmouth*
Janson, John Moeller	*Ch*		‡		*E. Orange, N. J.*
Jardine, Raymond Ross	*CE*	†	‡	*22*	*Parsons, Kan.*
Jarvis, William Bancroft, Jr	*LA*		‡		*Chicago*
Jasper, Edwin Miron	*EE*	†		*141*	*Newton*
Jasper, Walter	*Agr*	†		*34*	*Chicago*
Jayne, Nellie Evalyn	*Mus*	†	‡	*5*	*Wheaton*
Jefferson, John Benjamin	*ME*		‡		*Chicago*
Jeffrey, Eva Rebecca	*Mus*	†		*15*	*Urbana*
Jenkins, Harold Leo	*BLA*		‡		*Osgood, Ind.*
Jenkins, William Franklin	*Agr sp*		‡		*Charleston*
Jenner, Louise May	*HSAgr*	†	‡	*103*	*Evansville, Ind.*
Jennings, George Thornton	*MSE*	†	‡	*48*	*Chicago*
Jensen, Milton Owen	*CE*		‡		*Chicago*
Jer, Hut Ting	*REE*	†		*18*	*Canton, China*
Jerejian, Nazareth Abraham	*Md*	†		*7*	*Adna, Asia Minor*
Jeremiah, Otis	*Agr sp*		‡		*Willisville*
Jervis, Florence May	*Mus*		‡		*Champaign*
Jessen, Hubert	*Agr sp*		‡		*Alto Pass*
Jett, Ross Wesly	*Agr*	†		*46*	*Hillsboro*
Jewell, Mrs. Mabel	*SS*		‡		*Altamont*
Jewett, Charles Gregory	*MSE(S10)*	†	‡	*59*	*Chicago*
Jewett, Roy Ernest	*EE*	†	‡	*107*	*Burlington, Kan.*
Jinguji, Genjiro	*EE(S10)*	†	‡	*110*	*Choshi, Japan*
Jobbins-Pomeroy, Arthur W	*S*		‡		*London, England*
Johanning, Nora Bertha	*HSAgr(S11)*		‡		*Champaign*
John, Dorette Thayer	*HSLA(S11)*	†	‡	*33*	*Clinton, Ia.*
Johns, Wilford Espin	*Agr*	†	‡	*33*	*Rockford*
Johnson, Alice Irene	*SS*		‡	*8*	*Chicago*
Johnson, Alice Sarah, B.L.S.1907	*LA*		‡		*Champaign*
Johnson, Ananias Parnell	*LA*	†		*17⅔*	*Urbana*
Johnson, Bertha Cornelia	*SS*	†		*1⅓*	*Johnstown, N. Y.*
Johnson, Charles Thomas	*RCE*		‡		*Chicago*
Johnson, Edwin Reynolds	*Agr*		‡		*Springfield*
Johnson, Elfreth George	*AE*		‡		*Medora*
Johnson, Elmer Leroy	*EE*	†		*145*	*Aurora*
Johnson, Emma Carrie	*SS*	†		*3*	*Mt. Carroll*
Johnson, Esther Cecelia	*Lb*	†		*23*	*Minneap's, Minn.*
Johnson, Fred	*Agr*		‡		*Waggoner*
Johnson, Gertrude Amelia	*S(S10-11)*		‡	*9*	*Chicago*
Johnson, Gilbert Davison	*LA*	†	‡	*68*	*Glencoe*
Johnson, Gladys Marjorie	*Mus*	†		*8*	*Chicago*
Johnson, Harvey Judd	*EE(S11)*	†	‡	*73½*	*Sycamore*
Johnson, Harold Swese	*AE*		‡		*Chicago*
Johnson, John Maurice	*Agr*	†	‡	*24*	*Princeton, Ind.*
Johnson, Louis Samuel	*Agr(S11)*	†	‡	*34*	*Rossville*
Johnson, Minnie	*LA sp*	†		*20*	*Sandwich*
Johnson, Perry Nell	*Agr*	†		*34½*	*Aurora*
Johnson, Robert Carl	*LA*	†	‡	*31*	*Pana*
Johnson, Robert Emery	*Agr*	†	‡	*44*	*Chicago*

Johnson, Robert Ulysses	*AE*	†	‡	54	*Chicago*
Johnson, Roy Bert	*CE sp*		‡		*Urbana*
Johnson, William Bluford	*L*	†		83	*Rural Hill*
Johnston, Florence Ruby	*HSLA(S11)*	†	‡	41	*Champaign*
Johnston, Irving West	*Agr*		‡		*Champaign*
Johnston, Maurice Burnside	*LA*		‡		*Carlyle*
Johnston, Margaret	*SS*		‡	3½	*Burnt Prairie*
Johnston, Minnie	*SS*	†			*Genoa*
Johnston, Paul Evangel	*ChE(S11)*	†	‡	171	*Jacksonville*
Johnston, Vern Irle	*Agr*		‡		*Sidney*
Johnston, Wayne Alvin	*Md*	†	‡	30½	*Champaign*
Johnston, Wilbur Russel	*Agr*		‡		*Illiopolis*
Johnstone, Andrew John	*Agr*	†	‡	66½	*Bloomington*
Johnstone, George Rufus	*S*	†	‡	62	*Galva*
Joice, Earl Henry	*Agr(S10)*	†		68½	*Chicago*
Joncas, Marie Cecile	*SS*		‡	9	*Chicago*
Jones, Almon Everett	*ME*	†		24	*Oak Park*
Jones, Bertha Marie, A.B., '11	*Mus(LA10-11)*	†	‡		*Champaign*
Jones, Charles Eugene	*L*		‡	28	*Robinson*
Jones, Charles Barnes	*Agr*	†		59½	*Aurora*
Jones, Edward Walter	*EE*	†		142½	*Ravinia*
Jones, Glynn Alvin	*Agr*		‡		*Plano*
Jones, J Emrys	*Agr*	†		½	*Chenoa*
Jones, Jesse Karl	*Ch*	†	‡	71	*Dewey*
Jones, John Maurice	*BLA*	†		17	*Dewey*
Jones, John Ryan	*Agr*		‡		*Williamsville*
Jones, Milton Doerr	*EE*		‡		*Raymond*
Jones, Opal Rogers	*SS*	†		132	*Urbana*
Jones, Orion Chester	*Md*		‡		*Redmon*
Jones, Paul Erastus	*A*	†	‡	20	*Tulsa, Okla.*
Jones, Raymond Harrison	*A*	†		154	*St. Joseph*
Jones, Rupert Forrest	*EE(S11)*	†	‡	70	*Champaign*
Jones, Robert Taylor	*Mus*		‡		*Vincennes, Ind.*
Jones, Strother Gaines	*Agr*	†		4	*Springfield*
Jones, Winifred Eloise	*HSLA*		‡		*Tuscola*
Jones, William Herman	*Agr*		‡		*New Lebanon*
Jordan, Glen John	*Agr*	†	‡	3½	*Newman*
Jordan, Helen Margaret	*HSAgr*	†		130	*St. Joseph, Mich.*
Jordan, Oscar Joseph A.B., 1908	*SS*	†			*Chicago*
Jordan, Robert James	*LA*	†		131⅔	*Minneap's, Minn.*
Jory, Herbert W	*A*		‡		*Chicago*
Joseph, Ada Kathryn	*Mus*		‡		*Jasper, Ind.*
Joseph, Oliver Charles	*SS*	†	‡		*O'Fallon*
Joslyn, Harry Aldrich	*LA*		‡		*Sycamore*
Judson, Bryant Oscar	*ME*		‡		*Evanston*
Jue, Quon Cheu	*Agr*	†		8	*Canton, China*
June, Marjorie Marie	*LA*		‡		*Belvidere*
Jurgens, Emmett Henry	*ME*	†		74	*Petersburg*
Justice, Martin Elliott	*Agr*		‡		*Burrows, Ind.*
Jutton, Emma Reed B.L.S. 1899	*LA*		‡		*Champaign*
Kaar, Howard William	*CE*	†		136	*Princeton*
Kaeser, William Heck	*Agr*	†		68	*Pittsfield*
Kagy, John Larimer	*L*	†	‡	58	*Salem*
Kahlert, Thomas Debenham	*Agr*	†		34½	*Carlyle*
Kahn, Jacob	*SS*		‡	9	*South Chicago*
Kailer, Fred Spencer	*EE(S10)*	†	‡	128	*Oregon*
Kaiser, Oscar Ambrose	*Ch*	†	‡	22	*Somonauk*
Kallstedt, Charles Henry	*ME*	†		111	*Aurora*

Kaltwasser, Elmer Erwin	*SS*	†		*7*	*Belleville*
Kames, John Nicholas	*L*	†		*13*	*Chicago*
Kamm, Oliver	*Ch*	†		*136*	*Highland*
Kammann, Elva Katherine	*LA*	†	‡	*90*	*Peoria*
Kan, Chen Chi	*LA*		‡		*Shanghai, China*
Kane, Roy Alexander	*A*	†	‡	*48*	*Sanborn, Ia.*
Karcher, Frank Joseph	*Md(S10)*	†		*76*	*Herscher*
Karges, Henry Gilbert	*A*	†	‡	*38*	*Evansville, Ind.*
Karkow, Andrew Soren	*CE*	†		*144*	*Chicago*
Karkow, Waldemar	*CE(S11)*	†	‡	*76½*	*Chicago*
Karmazin, John	*ME*	†		*147*	*Bohemia*
Karr, Ernest Cade	*S*		‡		*Seymour*
Karr, Mae	*LA*		‡		*Seymour*
Karraker, Carrie	*SS*	†			*Dongola*
Karraker, Perry Elmer	*Agr*	†		*136½*	*Dongola*
Kasper, Eugene	*BLA(S11)*	†	‡	*7*	*Chicago*
Kastel, Thomas Jefferson	*L*	†	‡	*63*	*Champaign*
Kastler, Rudolph Cecil	*Agr*	†	‡	*49*	*Chicago*
Kastrup, Homer	*BLA*	†		*78*	*Oak Park*
Kauffman, Edward Otho	*BLA*	†	‡	*23*	*Champaign*
Kaufman, George Bremner	*A*		‡		*Morrison, Ia.*
Kaun, Robert Ferdinand	*EE(S10)*	†	‡	*84*	*Ottawa*
Kaun, Walter Valentine	*EE*	†	‡	*65*	*Ottawa*
Kaung, San-zen	*CerE*		‡		*Shanghai, China*
Kausal, Benedict Anton	*BLA*	†		*30*	*Chicago*
Kay, Charles John	*EE*	†		*74*	*Aurora*
Kay, George Joseph	*EE*	†	‡	*70*	*Aurora*
Kays, Donald Jackson	*Agr(S11)*	†	‡	*94½*	*Magnolia*
Kazar, Jay Justin	*ME(S10)*	†		*63*	*Aurora*
Keck, Louis Douglas	*ME*		‡		*Mt. Vernon, Ind.*
Keefer, Ruth Farwell	*LA*		‡	*67*	*Amboy*
Keehner, Arch Floyd	*CE*	†	‡	*33*	*Jerseyville*
Keene, Frances Ford	*LA*		‡		*Pueblo, Colo.*
Keener, Oro Sylvester	*ChE*	†	‡	*16*	*Macomb*
Keese, Albert William	*Cer*		‡		*Litchfield*
Keese, William John	*S*		‡		*Ishpeming, Mich.*
Kegley, Max W	*L*	†		*38*	*Urbana*
Kegley, Mayme E	*LA(S10)*	†		*23½*	*Urbana*
Kegley, Rachael Mulock	*LA*	†			*Colfax, Ia.*
Kehlor, James Malcolm	*ME*		‡		*Kenosha, Wis.*
Keig, Frank Melville	*Agr sp*	†	‡	*30½*	*Rockford*
Keith, Lawrence Prescott	*AE*		‡		*Denver, Colo.*
Keithley, Andrew Tom	*Agr*	†		*31½*	*Dixon*
Keithley, Giles Enoch	*L*	†	‡	*48*	*Peoria*
Kell, Charles Nelson	*ME*	†	‡	*114*	*Centralia*
Kell, Sherman Little	*SS*	†		*36½*	*Kell*
Kell, Daisy Marie	*SS*		‡	*8*	*Kalamazoo, Mich.*
Kell, Walter Vincent	*Agr*	†	‡	*57½*	*Huntertown, Ind.*
Keller, Bessie Opal	*LA*	†	‡	*52*	*Bondville*
Keller, Florence	*LA*	†	‡	*47*	*Chicago*
Keller, Rella	*SS*		‡	*8*	*Steeleville*
Kelley, Arthur Caryl	*BLA*	†	‡	*98*	*Urbana*
Kelley, Francis Hugh	*Agr*		‡		*Urbana*
Kelley, Homer Neal	*ChE*		‡		*St. Elmo*
Kelley, Lena	*SS*	†	‡	*11½*	*Danville*
Kelley, Mae Elizabeth	*LA*	†	‡	*49*	*Loda*
Kelley, Ralph Leverett	*A(S11)*	†	‡	*61*	*Elgin*
Kellogg, Amelia Lucinda	*LA*		‡		*Aurora*
Kellogg, Chester Arthur	*EE*		‡		*Chicago*

Kelly, Howard Walton, Jr	*Agr*		‡		*Normal*
Kelly, Rudolph Lawrence	*A(S11)*	†	‡	11	*Chillicothe*
Kelly, Walter Harold	*Agr*	†		7½	*Mazon*
Kelso, Erle Roland	*LA*	†		76	*Escondido, Cal.*
Kelso, Leon Woodford	*LA*	†		67	*Paxton*
Kemman, Herbert Fred	*Agr*	†	‡	87½	*LaGrange*
Kemp, Elizabeth May	*LA*	†			*Lake Forrest*
Kemper, Benjamin Franklin	*A*	†		22	*Rossville, Ind.*
Kemper, Malcolm Abbott	*S*		‡		*Cincinnati, O.*
Kempf, George Arthur	*AE*	†	‡	57	*Chicago*
Kendall, Abner Fred	*L*	†	‡	52	*Watseka*
Kendall, Clinton Dwight	*BLA*		‡		*Chicago*
Kendall, Florence Frances	*HSLA*		‡		*Chicago*
Kendall, George Brophy	*Agr(S11)*	†	‡	112½	*Champaign*
Kendall, Harry Cole B.S. *(Mass. Inst. Tech.)* 1905	*Mus sp*	†			*St. Louis. Mo.*
Kendall, James Henry	*CE*	†	‡	32	*Maywood*
Kendall, Lloyd Walker	*LA*		‡		*Farmer City*
Kendall, Parker	*Agr*		‡		*Chicago*
Kennan, Charles Marshall	*LA(S11)*	†	‡	119	*Maysville, Ky.*
Kennedy, Josephine	*HSAgr*	†		31	*Wheaton*
Kennedy, Luther Eugene	*ChE(S11)*	†	‡	27	*Springfield*
Kenner, Byron Florence	*MS*		‡		*Pasadena, Cal.*
Kent, Edward Raylor	*AE(S11)*	†		151 1-6	*Montclair, N. J.*
Kent, Lee Karson	*EE*	†	‡	97	*Gridley*
Kent, William Riddle	*S*	†	‡	27	*Passaic, N. J.*
Kenyon, Frederick Newcomb	*Agr*	†	‡	63	*Peoria*
Keown, Berthold Logan	*RME(S11)*	†		141	*Centralia*
Kepner, Charles Erastus	*Agr sp*	†		3½	*Lena*
Keran, Paul Clemens	*LA*	†	‡	57	*Urbana*
Kercher, Oscar B	*CE*	†		69	*Goshen, Ind.*
Kercher, Otis	*Agr*	†	‡	34½	*Goshen, Ind.*
Kerchner, Morris Wilbur	*Agr*	†		131	*Walnut*
Kerker, Harry Edward	*L*	†	‡	42	*Urbana*
Kern, Evans Sherwood	*Agr*	†	‡	70½	*Rockford*
Kern, Lowell Davidson	*L sp*	†	‡	23	*Watseka*
Kerndt, Alfred Henry	*ME*	†	‡	112	*Salida, Colo.*
Kerr, George N	*A*	†		9	*Urbana*
Kerr, Grace Alice	*LA*	†		133	*Loami*
*Kerr, Harvey George	*Agr*	†			*Chicago*
Kerr, Luther Glen	*Agr*	†		18	*Adams Basin, N. Y.*
Kerrigan, Paul Francis	*AE*	†	‡	27	*Mich. City, Ind.*
Kessinger, Ruth	*SS*		‡	6	*Litchfield*
Kessler, Clarence Henry	*EE*	†	‡	71	*Kirkwood*
Kessler, Raymond Blaine	*L(LA10-11)*	†	‡		*Robinson*
Kettron, Henry Pearson	*CE*	†		142	*Macomb*
Keyes, Lois Eda	*Mus sp*	†		5	*Hampshire*
Keys, Hugh Cedric	*Md*	†		22	*LeRoy*
Keys, Louesa Jane	*HSAgr(S10)*	†		133	*Normal*
Kibbe, Leslie Arthur	*AE*	†	‡	30	*Sullivan*
Kidd, Albert Eugene, Jr	*Md*		‡		*Chicago*
Kidd, George Wilson	*CE*		‡		*Chicago*
Kienzle, Clair Lillian	*HSAgr*	†	‡	80	*St. Joseph*
Kiger, Oscar Newton	*SS*	†		26½	*Rutland*
Kilby, Herbert St. Clair	*EE*	†	‡	40	*Minier*
Kile, Walter Terrence	*BLA*		‡		*Paris*
Kimball, Lorenzo Amos	*A*	†		60	*Dundee*

Kimbell, Arthur Willis	*CE*	†	‡	*71*	*Chicago*
Kimmel, Maurice Edward	*ME*		‡		*DuQuoin*
Kiner, Eva Marie	*HSAgr sp*		‡		*Marseilles*
King, Charles Stanley	*EE*		‡	*37*	*Rock Island*
King, Florence Beeson	*HSAgr*		‡		*Richmond, Ind.*
King, Jeff Johnson	*ME*	†	‡	*25*	*Lincoln*
King, Lillian May	*HSAgr*	†	‡	*57*	*Plymouth*
Kingsbury, Margaret Lucy	*Lb*	†	‡	*46*	*Boulder, Colo.*
Kingsley, Helen Leavitt	*LA*	†			*York, Neb.*
Kinsey, Ernest Gilmore	*Agr sp*		‡		*Centralia*
Kiplinger, Walter Cross	*S*	†		*50*	*Indianapolis, Ind.*
Kirby, Wayne Isaac	*A*	†	‡	*53*	*Cerro Gordo*
Kircher, Edward August Theo	*LA*	†		*149*	*Chicago*
Kircher, Helmuth Julius	*Agr*		‡		*Chicago*
Kircher, Paul	*CE*	†	‡	*144*	*Chicago*
Kirchoff, Roger Charles	*A*	†	‡	*86*	*Wauwatosa, Wis.*
Kirk, Bonum Lee	*L(S10-11)*	†	‡	*107½*	*Carbondale*
Kirk, Donald Dee	*BLA*	†	‡	*147*	*Carbondale*
Kirk, George Godwin	*Agr*	†	‡	*32*	*Belleflower*
Kirk, Howard Ross	*A*	†	‡	*32*	*Rockford*
Kirk, Haddon Spurgeon	*LA*	†	‡	*33*	*Belleflower*
Kirk, Josephine	*LA(S10)*	†	‡	*105 2-3*	*Decatur*
Kirkland, Annirene	*LA*	†	‡	*34*	*Urbana*
Kirkland, Archibald Farley	*A*		‡		*Cambridge*
Kirkpatrick, Earl Henry	*Agr*	†	‡	*6½*	*Roseville*
Kirkpatrick, Frank Allen	*CerE*		‡		*Unionville, Mich.*
Kirkpatrick, George Marshall	*Agr*	†		*66½*	*Wingate, Ind.*
Kirkpatrick, Harold H	*EE*	†		*20*	*Tiskilwa*
Kirkpatrick, Harold H A.B., 1897	*SS*	†			*LeRoy*
Kirkpatrick, Nellie Ruth	*HSLA*	†	‡	*33*	*Urbana*
Kirkpatrick, Olin Penny	*Agr*	†	‡	*18*	*Benton*
Kirkpatrick, Robert Judson	*ME*	†		*136*	*Benton*
Kirkpatrick, William Stewart	*CE(S11)*		‡	*21*	*Kentland*
Kirkwood, Frances	*LA*	†	‡	*102*	*Lawrenceville*
Kirkwood, Roger	*Agr*		‡		*Lawrenceville*
Kirlin, Ivan Melvin	*EE*		‡		*Watertown, S. D.*
Klehm, George Charles Henry	*Agr*		‡		*Arlington Hghts.*
Klein, Francis Joseph	*Agr(S10)*	†	‡	*32½*	*Seymour*
Klein, Minnie George	*HSS*	†	‡	*32*	*Urbana*
Klein, Nancy	*S sp(S11)*		‡	*8*	*Urbana*
Klein, William Julius	*A*	†		*143½*	*Madison, Ind.*
Kleinschrodt, Bernie Lloyd	*Agr*	†	‡	*33½*	*Morrison*
Klemm, Julius Philip	*BLA*	†		*56*	*Bloomington*
Klingberg, John Henry Theo	*EE*	†			*Elgin*
Klontz, Clayton William	*Md*	†	‡	*54*	*McConnell*
Klooster, Clarence Abel	*AE*	†	‡	*112*	*Oak Park*
Klotz, Harry John	*ME*	†	‡	*106*	*Peoria*
Klotz, Vera Hall	*SS*	†		*65½*	*Peoria*
Knapp, Aurella	*Lb*	†	‡	*41*	*Normal*
Knapp, Lloyd Dunaway	*CE*		‡		*Ottawa*
Knapp, Martha Winifred A.B. *(O. Wesleyan Univ.)* 1899	*Lb*		‡		*LeRoy, Ohio*
Knapp, Willard Alfred B.S., 1907	*SS*	†			*Farmer City*
Knappenberger, Harry Farrar	*A*		‡		*Macomb*

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* Deceased.

Knauss, Douglas Stanley	*ME*	†		*144*	*Philadelphia, Pa.*
Kneisly, Nathaniel McKay	*Agr*	†	‡	*27*	*Guthrie, Okla.*
Knemeyer, Edward Franz	*A*		‡		*Mason, Nev.*
Knight, John Clement	*Agr*	†		*53½*	*Yorkville*
Knight, Mabel Alma	*LA(S10)*	†	‡	*130*	*Champaign*
Knodle, Cary Lee	*ME*		‡		*Elgin*
Knoebel, Wilbert George	*AE*		‡		*Highland*
Knowles, Charles Harrison	*CE*	†	‡	*148*	*Chicago*
Knowlton, Elizabeth	*HSLA(S11)*	†	‡	*37*	*Urbana*
Knowlton, Miriam	*LA*	†	‡	*33*	*Urbana*
Knowlton, Philetus Clarke, Jr	*A*	†	‡	*63*	*Memphis, Tenn.*
Knox, Raymond Kenneth	*A*	†	‡	*96*	*Pittsfield*
Knox, Leo Melville	*Agr*		‡		*Morrison*
Knox, Otela	*LA*		‡		*Okla. City, Okla.*
Knudsen, Charles William	*Ch*		‡		*New Berlin*
Knudson, Irving Jacobs	*EE*	†	‡	*18*	*Chicago*
Kobylanski, Joseph Ludwick	*CE*		‡	*17*	*Chicago*
Koch, Charles Edward	*ME*		‡		*Danville*
Koch, Flora Maria	*LA(S10)*	†		*136½*	*Jacksonville*
Koch, George Benjamin	*ME*	†	‡	*9*	*Pekin*
Koch, Harvey Charles	*ME*	†	‡	*32*	*Cloquet, Minn.*
Koeber, James	*Agr sp*		‡		*Sherwood, Ore.*
Koehler, Henry	*SS*	†			*Chicago*
Kohout, Jerome Francis	*Ch*	†	‡	*85*	*Chicago*
Kolmer, Otto Peter	*Agr sp*	†	‡	*25*	*Waterloo*
Kolar, Otto	*EE*		‡		*Chicago*
Koller, Armin Hajman	*Mus sp*		‡		*Cleveland, O.*
Koo, Vi-Tsing	*EE*		‡		*Shanghai, China*
Koons, Guy Jink	*SS*	†	‡	*132*	*Murphysboro*
Kopf, Frank Alexander	*Ch*	†	‡	*33*	*Bloomington*
Korb, Arnold Brunt	*SS*		‡		*Mt. Olive*
Korshak, Sam	*A*		‡		*Chicago*
Korsmo, Edward Oswald	*CE*	†		*147*	*Champaign*
Korth, Frieda Elizabeth	*LA*		‡		*Trivoli*
Korty, Fred Herman	*Agr sp*		‡		*Bluffs*
Kosters, Stuart Farnsworth	*CE*	†	‡	*81*	*Chicago*
Kottman, Benj Fred'k Amil	*BLA*	†		*18*	*Chicago*
Krabbe, Edward Max	*EE(S11)*	†	‡	*38*	*Urbana*
Kraeger, John Franklin	*Ch*	†	‡	*84*	*Pekin*
Kramer, Charles George	*MnE*		‡		*Boston, Mass.*
Kramer, Jesse C	*EE*	†	‡	*73*	*Chicago*
Krane, Leonard Judah	*CE*		‡		*Chicago*
Krannert, Herman Charles	*ME*	†	‡	*136*	*Chicago*
Kratz, Edwin Valentine	*AE*	†	‡	*112*	*Champaign*
Kratz, Ethel Gyola, A.B., 1910	*SS*	†			*Champaign*
Krause, Emma Augusta	*LA*	†	‡	*103*	*Secor*
Krebs, William Samuel	*BLA*	†	‡	*68*	*Oak Park*
Kreidler, Dana Walter	*ME*	†		*145½*	*Hornell, N. Y.*
Kreitemeyer, Carl Oscar Fred'k	*Agr*	†		*66½*	*Quincy*
Kreitemeyer, Herbert George	*Agr*	†		*33*	*Quincy*
Kroeschell, Carl Herman	*ME*		‡		*Chicago*
Kromer, Carrie Adelaide	*LA*		‡		*Elgin*
Kromer, John Carl	*EE*	†	‡	*71*	*Elgin*
Kross, Michael	*LA*	†		*30*	*Elmhurst*
Krueger, Arthur Frederick	*Agr sp*	†		*78*	*Chicago*
Krueger, Otto Arthur	*AE*		‡		*South Bend, Ind.*
Krueger, William Charles	*Agr*	†	‡	*28*	*Chicago*
Ku, Tsong-Lin	*BLA*		‡		*Shanghai, China*
Kubat, Frank	*REE*	†		*49*	*Chicago*

Kugler, Martin Billmire	*CE*		‡		*Yorkville*
Kuhl, John Henry, Jr	*AE*		‡		*Peoria*
Kuhlman, Thane	*EE*		‡		*Elkhart, Ind.*
Kuhn, Henry Harrison	*ME*	†	‡	*36*	*Alton*
Kuhn, Wilfred Henry	*EE*		‡		*Chicago*
Kuhns, John Christian	*EE*		‡		*Argenta*
Kunkle, Eugene Russell	*Agr*		‡		*Lacon*
Kurt, John Joseph	*ME*	†	‡	*73*	*Champaign*
Kurt, Leo Peter, Jr	*ME*		‡		*Champaign*
Kyde, Lillie Allen	*SS*		‡		*Newman*
Kyle, George Lane	*EE*		‡		*Chicago*
LaBelle, Johnston Noble	*REE(S10)*	†		*138*	*Bloomington*
Laborence, John Cushman	*L*	†	‡		*Pleasant Plains*
Laborence, William Purcell	*Agr*	†		*14*	*Pleasant Plains*
Lacey, Arthur Rawlins	*Cer*	†	‡	*16*	*Indianapolis, Ind.*
Lackland, Margaret Wraner	*LA*		‡		*Magnolia*
Lackland, Wm Reyburn, Jr	*BLA*	†		*26*	*Morton*
Lacson, Marion R	*SS*		‡	*2½*	*Occ. Negros, P.I.*
Ladd, William Stanton	*Agr*		‡		*Taylorville*
Lafferty, George Gustavus	*SS*	†	‡	*15*	*Galesburg*
Lafferty, Hattie Ann	*LA*		‡		*Princeton*
Lafferty, John Samuel	*A*		‡		*Casey*
La Frenz, Grace Etheridge	*LA*		‡		*Bushnell*
Lagergren, Axel Alfred	*Agr*	†			*Chicago*
Lagerstrom, David Reuben	*EE(S10)*	†		*142*	*Dundee*
Lagniton, Isabelo Jemeno	*CE(S10)*	†		*138½*	*Jaro, Iloilo, P. I.*
Lagorio, Anthony Power	*CE*	†	‡	*75*	*Chicago*
Laing, George Driver	*Agr*	†	‡	*106*	*River Forest*
Laird, Albert Norman	*CE*	†	‡	*37*	*Detroit, Mich.*
Lake, Arthur Howard	*EE*	†	‡	*100*	*Leland*
Lamb, Allie Bie	*LA*		‡	*22*	*Champaign*
Lamb, Charles Augustus, Jr	*BLA(S10)*	†	‡	*107½*	*Champaign*
Lamb, Edith Jane	*LA*	†	‡	*35*	*Champaign*
Lamb, Nellie Bly	*LA(S10)*	†	‡	*101*	*Champaign*
Lamb, Wallace Shumway, Jr	*BLA*	†	‡	*12*	*Gibson City*
Lamb, Wilber Edwards	*S(S10)*	†	‡	*11*	*Gibson City*
Lamkey, Ernest Michael R	*S*	†	‡	*71*	*Riverton*
Lamont, Antoinette Marie	*LA*		‡		*Dillon, Mont.*
Lampman, James Willima	*A*	†		*114½*	*Urbana*
Lamson, Leon	*Agr*			*56*	*Rensselaer, Ind.*
Lancaster, Ruth Ellen	*A*		‡		*Maywood*
Landee, Anna Irene	*LA*		‡		*Moline*
Landee, Marion Charlotte	*LA*		‡		*Moline*
Landon, Herbert Updike	*Agr*	†	‡	*38*	*Jerseyville*
Landor, Walter	*CE(S10)*	†		*141*	*Canton, O.*
Landsea, Albert Fabian	*EE(S11)*	†	‡	*113½*	*Chicago Heights*
Lane, George James	*EE(S11)*	†	‡	*64*	*Harvey*
Langan, Clarence Leo	*Agr sp*		‡		*Kankakee*
Langdon, Margie Ethol	*Lb*		‡	*31*	*Monterey, Cal.*
Langdon, Roy Monroe	*LA*	†		*130½*	*Chicago*
Lange, Sophie	*LA*	†		*141*	*Champaign*
Langham, William Yungst	*SS*		‡	*6½*	*Tamalco*
Lanham, Ralph Leo	*EE*	†	‡	*37*	*Urbana*
Lanier, Russell D Lyon	*ME*		‡		*Birmingham, Ala.*
Lantz, Cyrus William	*S(S10)*	†	‡	*8½*	*Brooklyn*
Lantz, Etta Mable	*HSLA*	†	‡	*41*	*Carlock*
Lanum, Harold Baird	*BLA(S11)*	†	‡	*58½*	*Champaign*
Lapham, Ina Oliva, A.B., 1907	*SS*		‡		*Morrison*
Larkin, Charles James, Jr	*L*	†		*35*	*Rock Island*

Larkin, Francis Du Lude	*ME*		‡	*84*	*Chicago*
Larkin, Ida Clementine	*LA*	†	‡	*71*	*Chicago*
Larkin, William James	*AE*	†	‡	*73*	*Chicago*
Larmer, David Welty	*A*	†	‡	*75*	*Chicago*
Larsen, David Thorsten	*S*		‡		*Elgin*
Larsen, Lester Reginald	*ME*		‡		*Chicago*
Larson, Eva Lillian	*HSS*		‡		*Chicago*
Larson, Irving Nicholas	*A*		‡		*LaPorte, Ind.*
Larson, Lambert Linns	*ChE*	†	‡	*30*	*Mazon*
Larson, Roy Harold	*EE(S10)*	†		*76*	*Rockford*
La Rue, Maurice John	*Agr sp*		‡		*Chicago*
Laskin, Louis James	*A*		‡		*Chicago*
Lattin, Robert Thomas	*EE(S10)*	†	‡	*87*	*Akron, O.*
Latzer, Irma Ada	*HSS*	†	‡	*20*	*Highland*
Laudemann, Harry Mohr	*Md*	†		*53*	*Warsaw, Ind.*
Lauer, Elizabeth Ramona	*HSAgr sp*	†		*10*	*Sublette*
Laughlin, Logan	*Agr*	†		*79½*	*Paris*
Lauher, Paul Bliss	*L(S10)*	†	‡	*50*	*Paris*
Laurence, Albert Frederick	*Agr(S10-11)*	†		*151½*	*Paxton*
Lauter, Carl John	*ChE*	†		*137*	*Quincy*
Lauterbach, Gustav Adolph	*SS*	†	‡	*9*	*Mt. Pleasant, Ia.*
Lavadia, Pedro Celestino	*Agr*		‡		*Pagsanghan, P. I.*
Lawless, Joseph Conrad	*Agr(S10)*	†	‡	*37*	*Carthage*
Lawless, Mary Jane	*LA(S10)*		‡	*7½*	*Carthage*
Lawrence, Charles Wesley	*CE*	†		*143*	*Rantoul*
Lawrence, Ernest	*Agr(S10)*	†	‡	*29½*	*Hudson*
Lawrence, Guy Loftus	*EE(S10-11)*	†		*74½*	*Libertyville*
Lawrence, Lorena Lucille	*HSLA(S11)*		‡		*Clinton*
Lawrence, William Arthur	*ME*	†		*41*	*Bellefontaine, O.*
Lawson, Richard Edward	*BLA*	†	‡	*28*	*Kewanee*
Lawton, Bradley Cleaver	*BLA*		‡		*Chicago*
Lawyer, Joseph Dale	*LA*	†	‡	*27*	*Tennessee*
Lay, Chung-Yuen	*CE(S11)*		‡	*21*	*Huleh, China*
Layden, Ted Edmond	*Agr*	†	‡	*70½*	*Cheneyville*
Layer, Hugo	*AE(S10)*	†		*147*	*Chicago*
Layman, Andrew Herbert	*Agr*	†	‡	*11*	*Lincoln*
Layman, Clinton Fisk	*Agr*	†	‡	*11*	*Lincoln*
*Lazar, Alexander Sherman	*EE*	†		*18*	*Marshfield*
Lazear, Davies	*ME*	†		*34*	*Chicago*
Leach, Harry James	*BLA*		‡		*Morris*
Leach, Margaret Fanny	*HSLA*		‡		*Chicago*
Leach, Virgil Argo	*A*	†		*18*	*Maroa*
Leake, Grace Mae	*Mus*	†		*12*	*Amboy*
Leaners, Arthur B	*AE*		‡		*Kansas City, Mo.*
Lear, George Bratten A.B., 1911	*L*	†	‡	*17*	*Chicago*
Lear, Veta Blanche	*LA*	†		*33*	*Camp Point*
Leas, Frank Stephens	*Agr*	†		*14*	*Urbana*
Leaton, Frances Willard	*LA*		‡		*Nashville*
Lee, Carrie Alice	*Mus*	†		*19*	*Champaign*
Lee, Ellena	*HSAgr*	†	‡	*32*	*Aledo*
Lee, Everett Samuel	*EE*	†	‡	*75*	*River Forest*
Lee, Howard Alden	*EE*	†	‡	*106*	*Urbana*
Lee, Izora	*HSAgr*	†		*67*	*Aledo*
Lee, Otis Hoit	*Agr*	†		*132*	*Aledo*
Lee, Ritta	*SS*	†		*1⅓*	*Greenup*
Lee, William Hamilton	*L*	†	‡	*20*	*Urbana*

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* Deceased.

Leggett, Raymon George	*RCE(S10-11)*	†	‡	*102½*	*Canton, O.*
Leiserwitz, Samuel Brody	*Md*	†		*26*	*Herscher*
Leischsenring, Max	*AE*		‡		*Chicago*
Lekberg, Carl Hedge Samuel	*EE*	†		*47*	*Chicago*
LeNeve, Samuel Ney	*Agr*	†		*26*	*Rossville*
Leo, Herbert Thal	*Ch*	†	‡	*107*	*Odell, Neb.*
Leonard, Florence Ethel	*LA*	†		*93*	*Chicago*
Leonard, Frances Bostwick	*LA*	†		*131*	*Urbana*
Leonard, Frank Bonner, Jr	*LA*	†	‡	*98*	*Metropolis*
Leonard, Gladys Adeline	*LA*	†	‡	*33*	*Savanna*
Leonard. Harold Raymond	*Agr(S11)*	†		*139½*	*Woodstock*
Leonard, Ruth	*LA*	†	‡	*105*	*Urbana*
Leonard, William Nathan	*Agr*		‡		*Anna*
Leopold, Elmer Edward	*L(LA10-11)*	†	‡		*Belleville*
Leopold, Roland Eugene	*L(LA10-11)*	†	‡		*Belleville*
Leriche, Willis	*MnE(S11)*	†	‡	*36*	*Highland*
Lescher, Frank Mills	*A*	†		*133*	*Champaign*
Leslie, Eugene Hendricks	*ChE*	†	‡	*71*	*Ottawa*
Leslie, Mrs Myra F Henion	*Mus*	†		*57*	*Urbana*
Lester, William John	*Agr(S10)*	†		*3*	*Washington*
LeSure, Charles Samuel	*Agr*	†		*134*	*Olney*
Leutwiler, Richard Walter	*ME*	†		*141½*	*Highland*
Leverenz, Arthur Charles G	*ME*		‡		*Elgin*
Levey, Clarence John	*ME*	†		*145*	*Chicago*
Levin, Eli	*Md*		‡		*Ind. Harbor, Ind.*
Levis, Arthur Reed	*ME(S11)*	†		*7*	*Alton*
Levis, Walter Rhodes	*S*		‡		*Alton*
Levis, William Edward	*L*	†	‡	*45*	*Alton*
Leviton, Henry Isadore	*CE(S10)*	†	‡	*112*	*Chicago*
Lewis, Alice	*HSLA*	†		*39*	*Harrisburg*
Lewis, Clara Vesta	*HSLA*	†	‡	*29*	*Cairo*
Lewis, Edna	*LA*	†	‡	*116*	*Harrisburg*
Lewis, Elmo Vernon	*Agr*	†		*46½*	*Camp Point*
Lewis, Emerson Othello	*ME*	†		*47*	*Glenavon*
Lewis, Fred Dickerson	*Agr*	†	‡	*93½*	*Wheaton*
Lewis, Gordon Mann	*Agr*		‡		*Abingdon*
Lewis, John Edwin	*CE*	†	‡	*37*	*Wheaton*
Lewis, Julian Herman	*Md*	†		*134*	*Cairo*
Lewis, Katherine	*LA*	†	‡	*97*	*Chicago*
Lewis, Louise Laura	*HSAgr*	†	‡	*47*	*Cairo*
Lewis, Lucy Elfa	*LA*	†		*137*	*Danville*
Lewis, Mabel Rebecca	*LA(S11)*		‡	*17⅔*	*Brooklyn*
Lewis, Ralph Rice	*S(S11)*	†	‡	*107½*	*Fremont, Mich.*
Li, Ming-ho	*LA(S11)*		‡		*Nang Chow, Chi.*
Liang, Hsun Ying	*ME*		‡		*Foo-chow, China*
Liang, Tu Hung	*MSE*		‡		*Canton, China*
Lichterberg, Adam,Jr	*A*	†		*16*	*Hastings, Neb.*
Lichter, John Paul	*CE*		‡		*Chicago*
Liggett, David Carl	*Md(S11)*	†	‡	*25*	*Camp Point*
Liggett, Leslie Alwin	*CE*	†	‡	*35½*	*Peoria*
Light, Curtis Roy	*CE*	†	‡	*76*	*Brook, Ind.*
Light, John Henry	*LA(S11)*	†		*20 5-6*	*Leaf River*
Light, Vera	*LA*	†		*30*	*Chrisman*
Like, Waldo Emerson	*ME*		‡		*Davenport, Ia.*
Lill, Amy Olga	*SS*	†	‡	*13 5-6*	*Mascoutah*
Lin, Thian-kibb	*BLA(S11)*		‡	*4*	*Canton, China*
Linbarger, Silas Carl	*S*		‡		*Champaign*
Lincoln, Clovis Ward	*ME*	†	‡	*37*	*Rock Falls*
Lindberg, George Isadore	*ME*		‡		*Princeton, Mich.*

Lindberg, Ruth Marie Rebecca	*LA*	†	‡	*91*	*Cherokee, Ia.*
Linder, Grace	*HSAgr*	†		*45*	*Urbana*
Linder, Lewis S	*S*		‡		*Charleston*
Linder, Sven Cyril	*S*		‡		*Chicago*
Lindley, Bess Mae	*LA*	†	‡	*33*	*Urbana*
Lindley, Ida Hubbard	*LA*		‡		*Urbana*
Lindley, June	*LA(S11)*	†		*132*	*Urbana*
Lindley, Randal Cloyd	*Agr*		‡	*15*	*Hutsonville*
Lindsay, Helen	*LA*	†		*36*	*Topeka, Kan.*
Lindsay, Lois	*LA*	†		*12*	*Topeka, Kan.*
Lindsey, Ethel May	*Mus sp*	†	‡		*Urbana*
Lindsey, George Heath	*EE*		‡		*St. Louis, Mo.*
Lindsey, Nelle Mabel	*HSAgr*	†	‡	*51*	*Champaign*
Lindstrom, Arthur William	*ME*	†		*147*	*Varna*
Lindstrom, Stanley Edwin	*A*		‡		*Richmond, Ind.*
Link, Earl John	*Agr*	†	‡	*24½*	*Forreston*
Link, Hilah Jane	*LA*		‡		*Urbana*
Linsley, Clyde Maurice	*Agr*		‡		*Fairfield*
Lippe, Raymond Wills	*BLA*	†	‡	*32*	*Champaign*
Liss, Oscar Lippman	*CE(S11)*		‡	*9*	*Urbana*
Little, Alfred Leonard	*BLA*	†	‡	*28*	*Chicago*
Little, Ethel Esther	*LA*	†	‡	*23*	*Champaign*
Little, LeRoy Lewis	*LA(S10-11)*	†		*131*	*Champaign*
Littlejohn, Lula Leah	*LA*	†	‡	*104*	*Farmer City*
Littler, Mrs Mabel Dunham	*LA sp*	†		*6*	*Mackinaw*
Littler, Sherman Henry	*S(S10)*	†		*122*	*Potomac*
Littleton, Ananias Charles	*BLA*	†	‡	*112*	*Bloomington*
Liu, Nan Hsan	*LA*		‡		*Han Kow, China*
Lively, Truman Goodwin	*EE*	†		*106½*	*Chicago*
Livingstone, Lionel Lyman	*CE*	†	‡	*107½*	*Fillmore*
Llewellyn, Ruth	*LA*	†		*133*	*LaGrange*
Lloyd, James Henry	*Agr*	†		*126*	*Girard*
Lloyd, Jennie Mae, A.B., 1908	*SS*		‡		*Girard*
Lloyd, Thomas Harold	*ME*		‡		*Girard*
Lloyde, Robert Kellogg	*Agr*	†		*68½*	*Champaign*
Lobaugh, Charles Mateer	*Agr*	†		*49*	*Chicago*
Lobdell, John Randolph	*Agr*	†		*56½*	*Carbondale*
Locke, Clara Edith	*HSS*		‡		*Terre Haute, Ind.*
Loeffler, Frank Xavier	*CE*	†	‡	*79*	*Chicago*
Loehr, Theodore Edwin	*LA(S10)*	†	‡	*85*	*Carlinville*
Loh, Pao Kan	*Agr(S11)*	†	‡	*70½*	*Soochow, China*
Lohman, Frederick Charles	*CE*	†		*136*	*Gibson City*
Lohr, Louis Warren	*BLA*	†	‡	*67*	*Pana*
Long, George Archibald	*S*	†		*44*	*Rensselaer, Ind.*
Long, Robert Bennett	*S*		‡		*Plymouth, Ind.*
Long, Thomas Henry	*Agr sp*		‡		*Harmon*
Longley, Ralph Dunning	*ME*	†	‡	*39*	*Joliet*
Longeville, Joseph Charles	*A*		‡		*Dubuque, Ia.*
Loose, Isaac Arthur	*Agr sp*		‡		*Illiopolis*
Lopez, Asuncion Victor	*CE(S11)*	†	‡	*49*	*Durango C.,Mex.*
Lorenzen, William	*MSE*	†	‡	*126*	*Glen Ellyn*
Loutzenhiser, David Alonzo	*LA*	†		*102*	*Danville*
Loutzenhiser, Sarah Eula	*LA*	†		*103*	*Danville*
Lovan, Fletcher Adolphus	*SS*	†			*Ewing*
Love, Florence Deborah	*LA*	†		*102*	*Decatur*
Love, James Arthur	*ME sp*		‡		*Roscoe*
Love, Mary Elizabeth	*Lb*	†	‡	*98*	*Urbana*
Love, Myra Anna	*HSAgr*	†		*4*	*Urbana*
Loveless, Claude Elmer	*SS*	†			*Clark Hill, Ind.*

Loveless, William Raymond	*CE*	†	‡	*46*	*Altamont*
Lowe, Russell Leon	*BLA*	†		*31*	*LeRoy*
Lowenstern, Philip A	*BLA*		‡		*Urbana*
Lower, Paul Elton	*Agr*	†	‡	*30*	*Chicago*
Lowry, Guy Ellsworth	*SS*	†		*7½*	*Argos, Ind.*
Lowry, Merrill Fairman	*ME*	†		*112*	*Woodhull*
Lowry, Robert Larken, Jr	*L*		‡		*West Alton*
Lucas, Corda, A.B., 1901	*SS*	†	‡	*2*	*Champaign*
Lucas, Leigh Willard	*Agr*	†	‡	*78½*	*Mt. Pulaski*
Lucas, Russell Henry	*Agr*	†		*7½*	*Olney*
Lucius, Olive	*HSAgr sp*		‡		*Brookfield, Mo.*
Luckett, Coen L	*S*	†	‡	*35*	*Terre Haute, Ind.*
Ludwig, Edward Roy	*A*	†		*142*	*Minneap's, Minn.*
Luedke, Gustav Paul	*S sp*	†		*63½*	*Chatham*
Luer, August Jacob	*LA*	†	‡	*30*	*Upper Alton*
Luers, George Albert	*BLA*	†		*37*	*Springfield*
Lummis, Benjamin Bayard	*CE*			*60*	*LaSalle*
Lummis, Doran Wohlfarth	*CE*	†		*28*	*Cheyenne, Wyo.*
Lummis, Merl Francis	*ME*	†	‡	*37*	*Quincy*
Lund, Harold Henry	*Agr*		‡		*Woodstock*
Lundahl, Raymond Rudolph	*CE*	†		*140*	*Gibson City*
Lundgren, Frederick Gunard	*ME*		‡		*Chicago*
Lundin, Roy Simeon	*Agr*		‡		*Chicago*
Luney, Edward Ross	*ME*	†	‡	*72*	*DeKalb*
Luney, Ray Timothy	*LA*		‡		*DeKalb*
Lurie, Erwin Moses	*CE*	†	‡	*55*	*Chicago*
Luther, Caroline	*LA*	†	‡	*99*	*Savoy*
Lyman, Carl Ezra	*Agr*	†		*2*	*Maroa*
Lyons, Hazel Dell	*LA*		‡		*Champaign*
Lyons, Philip Gordan	*Agr sp*		‡		*Pontiac*
Lyons, Roy Jacob	*Agr*	†	‡	*36½*	*Greenup*
Lyons, Thomas Edwin	*LA*	†		*131*	*Arcola*
McArdle, Raymond John	*A*	†		*33*	*Tipton, Ind.*
McBeath, Grace	*Mus*	†	‡	*25*	*Villa Grove*
McBirney, Bruce Henry	*LA*		‡		*Chicago*
McBride, George William	*S*	†			*Paw Paw*
McBroom, Leland Albert	*A*		‡		*Grimes, Ia.*
McCabe, Claude Lee	*SS*	†	‡	*8 5-6*	*Willow Hill*
McCabe, Edward David	*Agr*		‡		*Plano*
McCabe, Lee Vincent	*CE*	†		*97½*	*Chicago*
McCabe, Marie Belle	*LA*		‡		*Pontiac*
McCall, Arthur Brent	*SS*		‡	*6½*	*Greenview*
McCall, Frank Smith	*SS*		‡		*Macomb*
McCandless, Howard Archibald	*BLA*	†		*46*	*Rock Island*
McCaskey, Paul Alfred	*BLA*	†		*138*	*Chicago*
McCaskill, Kenneth Alexander	*Agr*		‡		*Taylorville*
McCaughey, Louis Douglass	*EE*	†	‡	*72*	*Macomb*
McCauley, Charles Hartman	*A*		‡		*Chicago*
McCleary, Florence Mae	*SS*	†		*4 5-6*	*Chadwick*
McClelland, Charles Benjamin	*Agr*	†		*5 5-6*	*Williamsville*
McClelland, George Leo	*Agr*	†	‡	*34*	*Peoria*
McClintock, Margaret Christine	*HSAgr*	†	‡	*72*	*Chicago*
McCluggage, Harry Bruce	*ChE*		‡		*Peoria*
McClung, David Arthur	*CE(S10)*	†		*114*	*Mt. Carmel*
McClure, Walter Atlee	*Agr*	†		*19½*	*Chrisman*
McClurg, Lola DeWitt A.B., 1910	*SS*		‡		*Urbana*
McClurg, Nellie Irene	*HSLA(S11)*	†	‡	*108*	*Urbana*
McClurkin, Clifford Henry	*L*		‡		*Morning Sun, Ia.*
McConnel, Andrew Henry	*BLA*	†	‡	*100*	*Reynolds*

McConnel, Isaac Marion	*Agr*	†	‡	34	*Reynolds*
McConnell, Colvin Savage	*CE*		‡		*Maywood*
McConnell, Wallace Robert	*S*	†	‡	98	*Mt. Sterling*
McConoughey, Porter David	*S*	†		64	*Chicago*
McCormick, Elmer	*ME(S10)*		‡	69½	*Pontiac*
McCormick, Howard Bernard	*Agr sp*		‡		*Pawnee*
McCornell, Charles	*LA*		‡		*Gibson City*
McCotter, Gage	*SS*	†		7½	*Indianapolis, Ind.*
McCoy, Dwight Wesley	*LA(S11)*	†	‡	116	*Versailles*
McCoy, Henry James	*Md*		‡		*Amboy*
McCoy, John Jay	*Cer*	†	‡	20	*Chicago Heights*
McCracken, Howard Orr	*Agr*	†	‡	32½	*Paxton*
McCray, James Daniel	*Agr*		‡	21½	*Earlville*
McCulloch, Harry Weber	*SS*	†	‡	17	*Freeport*
McCune, Joseph McCrary	*LA*	†	‡	55	*Kansas City, Mo.*
McDaniel, Fannie May	*SS*		‡	17½	*Champaign*
McDermet, Rudolph	*EE*	†	‡	112	*Seattle, Wash.*
McDonald, Herbert William	*A*	†		102	*Chicago*
McDonald, James Edward Wm	*MnE(S11)*	†	‡	24	*Chicago*
McDowell, Ishmael Worth	*EE*	†		148	*Centralia*
McElroy, Thurman Eric	*Agr(S10)*	†		48½	*Bardolph*
McElvain, Ernest Cowens	*ME*	†		62	*Pinckneyville*
McEvoy, John Stewart	*SS*	†		26	*Ottawa*
McEvoy, Myrtle Loretta	*HSLA*		‡		*Peoria*
McFadden, Stanley Bruce	*Agr*	†	‡	54½	*Havana*
McFarland, Ellis Dean	*Agr*	†	‡	21½	*Camp Point*
McFarland, Eugene Harris	*A*	†	‡	109	*Valley City, N.D.*
McGarry, Grace Margaret	*HSAgr*		‡		*Chicago*
McGaughey, Guy Ennis	*LA*		‡		*Lawrenceville*
McGaw, Agatha Alice	*LA*	†	‡	32	*Keokuk, Ia.*
McGee, Edna Amelia	*LA sp*	†	‡	60	*St. Joseph*
McGhee, Ora M	*Agr sp*		‡		*Norris City*
McGill, Elizabeth Roberts	*LA*	†	‡	89	*Chicago*
McGillivray, Perry	*Agr*		‡		*Chicago*
McGinnis, Charles Allen	*SS*	†		3 5-6	*Anna*
McGlynn, John J	*SS*		‡	4½	*East St. Louis*
McGorrisk, Daniel Hunt	*AE*	†	‡	72	*Des Moines, Ia.*
McGough, Mrs Blanche	*Mus sp*		‡		*Urbana*
McGrath, Francis Xavier	*BLA(S11)*	†	‡	102	*Jerseyville*
McGrath, James Miles	*AE*		‡		*Springfield*
McGraw, Katherine Leslie	*LA*	†	‡	33	*Urbana*
McGregor, Halbert P	*ChE(S11)*	†	‡	104⅓	*Estes Park, Colo.*
McGrew, Charles Babcock	*A*	†	‡	75	*Lewiston*
McGuire, Walter John	*BLA*		‡		*Chicago*
McHarry, Jessie	*LA*	†		131	*Rantoul*
McHarry, Liesette Jane	*LA*	†	‡	101	*Rantoul*
McIntire, William Raphael	*CE*	†	‡	129	*Chicago*
McIntosh, Eunice May	*Mus sp*	†			*Clear Lake, Ia.*
McIntosh, Harold Stanton	*ME*	†	‡	69	*Geneva*
McIntosh, Raymond Donald	*L*	†		32	*Duxbury, Mass.*
McIntyre, Eva Lyle, A.B., '11	*Mus*	†	‡		*Champaign*
McIntyre, George Edward	*AE*	†	‡	85	*Monmouth*
McIntyre, James Cooley	*BLA*		‡		*Newman*
MacIntyre, Katherine Gladys	*HSAgr*		‡		*Chicago*
McIntyre, Mabel	*LA*	†	‡	61	*Newman*
McKay, Dea David	*LA*		‡		*Farmer City*
McKay, James Robertson	*A*	†		15	*Evanston*
McKee, Edna Belle	*LA*	†		68	*Kankakee*
McKee, Olivette C	*HSS*	†	‡	32	*Fairbury*
McKee, Paul Harmon	*LA*	†	‡	89	*Mason City, Ia.*

McKee, Paul Sloan	LA	†		86	Tuscola
McKee, Ruth	LA		‡		Sparta
McKelvey, Sidney Algernon	Agr	†	‡	24½	Sparta
McKenzie, Edith Edna	HSAgr(S10)	†		49	Urbana
McKeown, John Latimer	CE		‡		Chicago
McKim, Wilson Moran	L(LA10-11)	†	‡	37	Tokyo, Japan
McKinnell, Isabelle Georgie	SS		‡	34½	Texarkana, Tex.
McKinney, Ashley Lyle	L	†	‡	51	Urbana
McKinney, Henry Theodore	L		‡		Urbana
McKinney, Ira	Md		‡		Gifford
McKinnie, Earle Clarence	EE	†		142	Bloomington
McKirnan, Howard Rutledge	Agr	†		35½	Oak Park
McKnight, Mrs Wm Asbury	Mus		‡		Champaign
McLain, Ernest Seth	SS	†		8½	Industry
McLaren, Donald	EE		‡		Canton
McLarty, Ray Clark	BLA(S10)	†	‡	100⅓	Rockford
McLaughlin, James William	ME	†	‡	65	Paris
McLennan, Ethel	Mus sp		‡		Urbana
McLeod, Robert Willard	A	†	‡	34	Cedar Ra'ds, Ia.
McMahan, Elsie Margaret	SS		‡		Jerseyville
McManns, James Bernard	SS		‡	17⅓	LaSalle
McMaster, Alva Henry	Agr	†		68½	Garden Prairie
McMein, William Warfield	EE		‡		Quincy
McMillan, Samuel Augustus	SS		‡		College Sta., Tex.
McMillen, George Burr	BLA	†	‡		Mt. Sterling
McNary, Forrest C	CE	†	‡	100	Martinsville
McNaughton, James	A sp	†		4	Ft. Wayne, Ind.
McNees, Franc U	HSLA		‡		Winchester, Ind.
McNeill, Henry Hammond	BLA	†		14	Chicago
McNichols, Kate	SS	†		17⅔	Carlinville
McPherson, Earle Steele	ME		‡		Highland Park
McQuaid, John Joseph	BLA	†	‡	95	Champaign
McRobie, Douglas	Ch		‡		Montclair, N. J.
McRobie, Helen	HSAgr	†	‡	7	Orange, N. J.
McRobie, Jessie Barbara	LA(S10)	†		134⅓	Chicago
McSmith, Lora Ethel	Mus sp	†	‡		Indianola
McVay, Thomas Newkirk	Cer(S10-11)	†	‡	76	Urbana
MacVean, Lillian Imogene	LA		‡		Chicago
McWethy, Dan Valentine	CE	†	‡	40	Aurora
McWethy, Henry Dean	A	†			Aurora
Maccoy, Carleton Stone	Agr	†			Morgan Park
Mack, Ida Rose	SS		‡	102	Chicago
Mackay, Robert Bartello	Agr	†	‡	93½	Mt. Carroll
Mackey, Albert Martin	MnE		‡		Waukegan
Mackey, Floyd Earl	Agr sp		‡		Monticello
Mackey, John Columbus, Jr	Agr	†		51½	Vienna
Madden, Helen Louise	LA		‡		Champaign
Madden, Irwin Arthur	Agr(S10)	†		143 1-6	Freeport
Madden, Joseph Warren	LA(S10)	†		142½	Freeport
Madden, William Dillon	SS		‡	10½	Catlin
Madden, William Seits	Agr sp		‡		Melvin
Maddock, Alice Emily A.B., 1907	SS		‡		Chicago
Mader, August	AE		‡		Farmer City
Madison, Thomas Edwin	Agr		‡		E. Greenwich, R.I
Magee, Elon Charles	Agr	†	‡	87½	Geneseo
Maginnis, Etha Mabel	SS		‡	4	Abingdon
Maguire, William Chester	L(S10-11)	†		89	Urbana
Mahoney, Thomas Francis	S		‡		Springfield

Mail, Eugene Frederick	CE	†		141	Robinson
Major, Margaret	HSLA	†		57	Austin
Maki, Itsu	LA	†	‡	104	Shimodate, Japan
Malaise, Clayton Lee	EE	†	‡	37	Serena
Maley, Robert Carleton	ME		‡		Grayslake
Mallory, Meredith	Md	†		136	Batavia
Malmburg, Carl O	A		‡		Chicago
Malone, Rae Irene	HSLA	†		140	Okla. City, Okla.
Manauton, Gregorio	SS	†	‡	7	Arryo, P. R.
Mandel, Elias	Ch	†	‡	123	Chicago
Mangrum, Lillian Mariam	SS		‡		Galesburg
Manierre, Alfred Edgerton	A	†	‡	157⅔	Chicago
Manley, Pearl Mabel	HSAgr		‡		Yorkville
Mann, Alban Whitford	EE(S10)	†		142	Elgin
Mann, Arthur Sidney	AE	†	‡	37	Kankakee
Mann, Edith Melvina	LA	†	‡	66	Kankakee
Mann, George William	Agr sp		‡		Pontiac
Mann, Harold Edward	Agr(S11)	†	‡	62½	Rossville
Mann, Horace William	BLA	†	‡	30	Muskegon, Mich.
Mann, Jessie Rebecca	SS		‡	87	DeKalb
Mann, Lloyd Chester	LA	†		½	Robinson
Mansfield, Esther Josephine	HSLA		‡		Minonk
Manspeaker, Welsh Walker	CE	†	‡	108	Champaign
Marbach, Henry Adams Lewis	CE	†	‡	97	Chicago
Mark, Clayton, Jr	ME	†		69	Lake Forest
Markley, Hazel Sue	LA		‡		Belvidere
Marks, Mary Ella Ph.B. *(Univ. Chicago)*	Lb	†		65	Davenport, Ia.
Marquette, Harry Ellis	RME(S11)	†	‡	112½	Slater, Mo.
Marquis, Leo Daniel	A	†	‡	11	Milford
Marriner, Alfred Warrington E.	EE	†		23	Chicago
Marshall, Frank Edward	EE(S10)	†	‡	76½	Serena
Marshall, Horace Wortham	BLA		‡		Urbana
Marshall, Ralph William	Agr		‡		West Chicago
Marten, Redic Wylie	CE	†	‡	67	Tolono
Martin, Bessie Louise	SS	†			Galesburg
Martin, Cline C	L sp		‡		Urbana
Martin, Emma Catherine	HSLA	†		91	Jamestown, Ind.
Martin, Joseph H	SS		‡		Sheffield
Martin, Olive Eden	SS		‡	74	Sullivan
Martin, Sidney Griswold	CE	†	‡	108	Chicago
Marx, Frederick August Kuhs	MSE		‡		St. Louis
Masear, Rose Lillian	SS	†		5½	Lebanon, Mo.
Masel, Max	ME		‡		Alton
Mason, Clarence John	Agr	†			Mt. Pulaski
Mason, Mayne Seguine	EE	†		139	Buda
Mason, Ross Seguine	ME		‡		Buda
Masters, John Howard	ME	†	‡	85½	Frankfort, Ind.
Math, Earle Robinson	AE	†		143	Chicago
Matheny, Lee Verne	LA	†		134⅓	Chenoa
Matheny, Willard Reynolds	EE	†	‡	69	Springfield
Mather, Cornelia Grace	HSS	†	‡	67	Plainfield
Mathers, Leslie Eugene	Agr(S10)	†	‡	80	Momence
Mathers, Manley Bonham	Agr	†	‡	59½	Momence
Mathews, Charles Willard	CE(S11)	†	‡	105½	Marissa
Mathews, David William	Agr sp		‡		Yates City
Mathews, Howard	EE(S10)	†	‡	76	Yates City
Mathews, Howard Alexander	LA	†	‡	30½	Joplin, Mo.
Mathews, William B	REE(S11)	†	‡	22	Yates City
Mathews, William Rankin	Agr		‡		Chicago

Mathiesen, Martin	*LA*	†		*17½*	*Norway*
Mathis, August Eugene	*BLA*	†	‡	*37*	*Chicago*
Mathis, Frances Willard	*Lb(LA10-11)*	†	‡	*33*	*Sidney*
Mathis, Victor Alvin	*RME*	†	‡	*132*	*Sidney*
Mathis, William Dorsey	*EE*	†	‡	*10*	*Fairfield*
Matousek, Otto James	*AE*	†		*89*	*Chicago*
Matter, Herbert John	*S*	†		*39*	*Wheaton*
Matteson, Glenn Harlow	*Agr*		‡		*Fairfield*
Matteson, Maurice Jefferson	*Agr*		‡		*Galva*
Matthews, Leigh Meryl	*ME*	†	‡	*107*	*Urbana*
Matthewson, James Otis	*Agr*	†		*136*	*DeKalb*
Mattingly, William Brashear	*Agr*	†	‡	*31*	*Cairo*
Mattison, John Dwight	*CE*		‡		*Oregon*
Mattoon, Charlotte Mae	*LA*	†	‡	*92*	*Champaign*
Mattoon, Edwin Whitaker	*Md*		‡		*Champaign*
Mattson, Earl Nels	*ME*	†	‡	*107*	*Chicago*
Mattson, Olive May	*HSLA*	†		*130*	*Chicago*
Mauel, Leonard	*CE(S10)*	†		*142*	*Chicago*
Maurer, George Otto	*Agr*	†		*12½*	*Virginia*
Maury, Charles Fontaine	*A*	†	‡	*95*	*Palestine, Tex.*
Maury, John Alvan	*EE*	†	‡	*74*	*Rossville*
Maury, Thomas Edward	*ME*	†	‡	*37*	*Rossville*
Mautner, Leo A	*ChE*	†		*150*	*Chicago*
Maver, David Blair	*CE*	†	‡	*107*	*Chicago*
Maxey, Charles Lester	*LA(S10)*	†		*129⅓*	*Mt. Vernon*
Maxey, Hugh Worthington	*Md*	†		*25*	*Mt. Vernon*
Maxfield, Elizabeth Allmond	*LA*	†			*Urbana*
Maxwell, Elsie May	*LA*	†		*26*	*Alexandria, Ind.*
Maxwell, Jessie A	*HSLA*	†		*20*	*Robinson*
Maxwell, Oliver Granville	*L*	†		*58*	*Oakdale*
May, Helen Buckingham	*LA(S10)*	†		*130*	*Danville*
Mayes, George William	*EE*	†	‡	*74*	*Champaign*
Maypole, John Butler	*EE*		‡		*Chicago*
Maytag, Freda	*Mus*		‡		*Newton, Ia.*
Mead, Alice	*HSAgr*	†		*51*	*Chicago*
Measer, James Henry	*EE*	†	‡	*30*	*Fairmount*
Meatheringham, Arlie Ellsw'th	*Agr*	†			*Camp Point*
Meek, Charles Thaddeus	*Agr*	†	‡	*69½*	*Carrollton*
Megran, George Palmeter	*LA*	†		*2*	*Harvard*
Meharry, Paul Francis	*Agr*	†		*98*	*Tolono*
Mehl, Wallace Willis	*L*		‡		*Goshen, Ind.*
Mehlhop, John August	*SS*	†		*7*	*Havana*
Mehlhop, Margaret Mildred	*SS*	†		*1*	*Havana*
Meissner, Charles Danforth	*A sp*	†		*9*	*Seattle, Wash.*
Meissner, Laurentine Bertha	*LA*	†		*31*	*Seattle, Wash.*
Meister, Edwin Francis	*LA*		‡		*Tuscola*
Meister, Florence Mary	*LA*		‡		*Tuscola*
Melcher, Woodbury Ranlet	*Agr*		‡		*Hinsdale*
Mellen, Arthur Franklin	*Ch(S10)*	†		*131*	*Amboy*
Melloy, Martin Aloysius	*CE*	†		*120*	*Libertyville*
Melvin, Paul Ray	*Agr*	†		*8*	*Stronghurst*
Mench, Berenice Luella	*LA*		‡		*Urbana*
Mench, Eleanor Lucille	*LA*	†	‡	*34*	*Urbana*
Mench, John George	*EE*	†		*139*	*Monticello*
Mengel, George Henry	*ChE*	†	‡	*57*	*Moline*
Mengel, John Godfrey, Jr	*CE(S10)*	†	‡	*39*	*Champaign*
Menke, Arnold Edward	*CE*		‡		*Evansville, Ind.*
Menke, Harry George	*CE(S11)*	†	‡	*40*	*Quincy*
Mensenkamp, Louis Edward	*S*	†	‡	*35*	*Freeport*
Mercer, Walter Mitchell	*L*	†	‡	*26*	*Vermont*

Meredith, Ina Valeria	*S sp*	†	‡		*Perry*
Merrick, Ada Menona	*LA*	†		*10*	*Champaign*
Merrick, Ida Leona	*LA*	†		*10*	*Champaign*
Merrill, Earle Reed	*Ch*		‡		*Joliet*
Merrill, Marcella Winton	*HSAgr*		‡		*Wilmette*
Merrill, Thompson Arelene	*LA*	†	‡	*70*	*Beardstown*
Merrills, Marshall Crittendon	*LA*	†	‡	*73*	*Belleville*
Merriman, John Riley	*Agr*	†	‡	*101½*	*Springfield*
Merris, Carl Elmer	*EE*	†	‡	*100½*	*Victor, Colo.*
Merry, Mrs Glenn W	*Mus sp*		‡		*Urbana*
Mershimer, James Dwight	*S*		‡		*Chicago*
Meserve, Theodore Decatur	*Md*	†		*95*	*Robinson*
Meskimen, John Raymond	*Agr*	†			*Vincennes, Ind.*
Messner, Olive Pearl	*HSLA*	†	‡	*33*	*Polo*
Mettler, Clayton Henry	*ME*	†		*104*	*Tiskilwa*
Metz, Carl Altgeld	*CE*		‡		*Tolono*
Metzler, Arthur Maurice	*AE*		‡		*Champaign*
Metzler, Curtis Vernon	*ME*		‡		*Strasburg*
Meyer, George, Jr	*ME*	†	‡	*57*	*Chicago*
Meyer, Orval Conrad	*ME*		‡		*Vincennes, Ind.*
Meyer, Walter William Louis	*L*	†		*13*	*Chicago*
Meyer, William	*S*	†	‡	*95*	*Rock Island*
Meyers, Paul Lillard	*Agr*		‡		*Indianapolis, Ind.*
Michael, Ethel Sophia Otillie	*SS*		‡	*2½*	*Champaign*
Michael, Harry	*LA(S10)*	†		*135*	*Chicago*
Michael, Wilbur Harold	*ME*	†	‡	*43*	*Chicago*
Miche, Irene Eleanor	*LA*	†	‡	*51*	*Elmhurst*
Michels, Eva Mabel	*SS*		‡	*8½*	*Albion*
Michener, Harry J	*L*	†		*8*	*Homer*
Middleton, Walter Stanley	*MnE(S10)*	†	‡	*66*	*Assumption*
Midkiff, Jesse Earl	*SS*	†		*1⅔*	*Cairo*
Mier, Leo Edward	*BLA*	†	‡	*28*	*St. Louis, Mo.*
Miers, Roy Hamilton	*Agr*	†	‡	*21½*	*Burney, Ind.*
Mikulski, Ottilie Johannah	*SS*	†			*Chicago*
Miles, Eunice	*BLA*		‡		*Garden City, Kan.*
Miles, Joseph Porter	*Agr*	†	‡	*31½*	*Lewistown*
Miles, Laurence Hursh	*BLA*	†		*134*	*Savanna*
Miles, Luther Fisk	*LA*	†			*Urbana*
Miles, Paul Keiter	*ME*	†	‡	*110*	*Savanna*
Miles, Rae	*LA*		‡		*Garden City, Kan.*
Millard, George Mark	*A*	†		*2*	*Chicago*
Miller, Arthur Edgert	*CE(S10)*	†		*78*	*Rockville, Conn.*
Miller, Chester Branch A.B., 1907	*SS*	†	‡		*Champaign*
Miller, Clarence Jacobs	*LA*		‡		*Ottawa*
Miller, Clifford	*SS*	†			*Mattoon*
Miller, Cleo Landon	*LA*	†		*½*	*Crawfordsv., Ind*
Miller, Floyd Emmet	*CE*		‡	*71*	*Champaign*
Miller, Frank Charles	*ME*		‡		*Hagerstown, Md.*
Miller, Frank Kirkpatrick	*Agr*		‡		*N. Richmond, Ind*
Miller, Fred Schiller	*Agr sp*		‡		*Champaign*
Miller, Gene John	*ME*	†		*17*	*Boswell, Ind.*
Miller, Gertrude Evelyn	*SS*		‡		*Lake Villa*
Miller, Hallie May	*SS*		‡	*8*	*Decatur*
Miller, Henrietta Cora Emma	*HSS*	†		*71*	*Dixon*
Miller, Jessie Fay	*LA*	†	‡	*68*	*Gilman*
Miller, John Austin	*Agr*	†	‡	*7*	*Aurora*
Miller, John Harold	*EE*		‡		*Oak Park*
Miller, John Henry	*Agr*	†		*4½*	*Maroa*

Miller, Joseph Harrison	*CE*		‡		*Mt. Carroll*
Miller, Lew Stevenson	*Agr sp*		‡		*Alexis*
Miller, Mabel Lucile	*LA(S10-11)†*		‡	*90*	*Urbana*
Miller, Marcus Gilbert	*A*	†	‡	*39*	*Gerard, O.*
Miller, Marie Maude	*LA(S10)*	†	‡	*132*	*Lincoln*
Miller, Milo Kirk	*Md*	†	‡	*109*	*Urbana*
Miller, Olive Fiedele	*LA*	†	‡	*33*	*Atlanta*
Miller, Ora Lucile	*HSLA*	†	‡	*21*	*Atlanta*
Miller, Paul	*Agr sp*	†		*30½*	*Cobden*
Miller, Robert Arthur	*CE*	†		*145*	*Bethany*
Miller, Samuel Leslie	*MSE(S11)†*		‡	*105½*	*Timewell*
Miller, Thomas Winfrey	*EE*		‡		*Springfield, Mo.*
Miller, Welby West	*BLA*	†	‡	*62*	*Urbana*
Milligan, Helen Margaret	*LA*	†		*130½*	*Hinsdale*
Millizen, Edna Varner	*LA*		‡		*Champaign*
Millizen, John Edson	*BLA*	†	‡	*106*	*Champaign*
Mills, Buren Orville	*A*	†		*30*	*Palestine*
Mills, Charles Raymond	*SS*		‡	*8*	*Gilman*
Mills, Emily Gerher	*SS*		‡	*4*	*Cissna Park*
Mills, Guy G	*CE*	†	‡	*113*	*Champaign*
Milne, Edward Lawrence M.S., 1900	*SS*	†			*Champaign*
Milne, Frank Maitland Jr	*Agr*	†	‡	*62½*	*Lockport*
Milne, Minnie Isabel	*HSS*		‡		*Lockport*
Milner, Franklin Comstock	*Ch*	†		*30*	*Big Ra'ds, Mich.*
Milnes, John Schenck	*Agr*	†	‡	*28*	*Decatur*
Minard, Arthur William	*Agr*	†		*4½*	*Blue Island*
Minchin, Sidney Henry	*A*		‡		*Chicago*
Miner, Mrs Eleanor	*SS*	†	‡	*2*	*Mt. Vernon*
Miner, Henry M	*Agr sp*		‡		*Waverly*
Miner, Lester Ward	*Agr*	†	‡	*30*	*Shelbyville*
Miner, Mary Ethel	*HSAgr*	†	‡	*94*	*Adair*
Miner, William	*SS*	†	‡	*40½*	*Pana*
Minor, Loyal Leonard	*Agr*		‡		*Aledo*
Mirick, Harry Rugee	*BLA*	†	‡	*65*	*Chicago*
Misner, Francis DeSales	*EE(S11)*	†	‡	*40½*	*Peoria*
Mitchell, Beulah	*HSAgr*		‡		*Chicago*
Mitchell, Constance Mines A.B. *(Ill. Wesleyan Univ.)* 1910	*SS*		‡	*5*	*Bloomington*
Mitchell, Elsie	*HSS*		‡		*Havana*
Mitchell, Eva	*LA(S10-11)†*		‡	*99*	*Urbana*
Mitchell, Everett Edward	*LA*	†	‡	*29*	*Marion*
Mitchell, Florence Ferne	*LA*	†		*29*	*Urbana*
Mitchell, Fred Eliphalet	*A*		‡		*Des Moines, Ia.*
Mitchell, Grover Ira	*ME*	†	‡	*48*	*Cornell*
Mitchell, Helen	*LA*	†	‡	*30*	*Urbana*
Mitchell, Janet	*HSLA(S10-11)†*		‡	*44½*	*Chicago*
Mitchell, Joe Orlando	*A*	†	‡	*63*	*Champaign*
Mitchell, Lionel Earl	*Md*		‡		*Chicago*
Mitchell, Loren Elmer	*Agr(S11)*	†	‡	*32*	*Flora*
Mitchell, Lucille	*Mus(S11)†*		‡	*63½*	*Urbana*
Mitchell, Marguerite	*Lb*		‡		*Wilmington, O.*
Mitchell, Ruffin Edward	*MnE*	†	‡	*37*	*Carbondale*
Mix, Martin Ira	*ME*	†	‡	*87*	*Chicago*
Mix, William Judd	*EE*	†		*24*	*Beardstown*
Mize, Robert Charles	*L*		‡	*27*	*Monticello*
Mizoguchi, Gundayu	*EE*		‡		*Fukudzi, Japan*
Moats, Stewart Blakeslee	*BLA*	†			*Chicago*
Moffat, Frederic Earl	*Agr*	†	‡	*40*	*Park Ridge*

Moffett, John Karl	*L*	†	‡	*33*	*Paxton*
Moffett, John Silas	*Agr*	†	‡	*20½*	*Paris*
Moh, Hsiang-Yueh	*Agr*		‡		*Shanghai, China*
Mohan, John Jay	*LA sp*		‡		*Streator*
Mohlman, Floyd William	*Ch*	†	‡	*106*	*Beardstown*
Mohr, Alba Agnes	*LA*		‡	*12*	*Champaign*
Mohr, Herman	*L*	†	‡	*44*	*Chicago*
Moir, Robert Burrell	*CE*	†		*82*	*Chicago*
Mojonnier, Julius John	*Ch(S10)*	†	‡	*117*	*Greenville*
Molinari, Diego Luis	*EE*		‡		*Buenos Aires,Arg*
Molt, Margaret Ellen	*LA*		‡		*Clinton, Ia.*
Monroe, Ralph	*L*	†	‡	*71*	*Sullivan*
Monser, John William	*LA*		‡		*Champaign*
Montague, Albert Richardson	*RCE(S11)*	†	‡	*67*	*Chicago*
Montgomery, Cecile	*LA(S10)*	†		*143⅓*	*Urbana*
Montgomery, Harry Edgar	*EE*	†	‡	*111*	*Blue Mound*
Montgomery, Lewis Edward	*Agr*		‡		*Decatur*
Montgomery, Lueva	*SS*		‡		*Monticello*
Montgomery, Max Alfred	*A*	†	‡	*110*	*Urbana*
Montigel, James Ralph	*AE(S11)*		‡	*113*	*Redlands, Cal.*
Montross, Chester	*ME*	†		*17*	*East Lynn*
Moon, Ida Mae	*LA(S10)*	†		*131*	*Lexington*
Moon, Maud Maye	*Lb(S10)*	†		*105½*	*Tuscola*
Moore, Clarence	*Agr sp*		‡		*Equality*
Moore, Claribel Burton	*LA*	†		*131*	*Indianapolis, Ind.*
Moore, Genevieve	*S*	†		*130*	*Urbana*
Moore, Harry Clay	*L*	†	‡	*30*	*Mattoon*
Moore, Harry Taylor	*AE*	†		*7*	*Decatur*
Moore, Harry William	*ME*	†		*36*	*Freeport*
Moore, Herbert Jackson	*Agr*	†	‡	*11½*	*Chicago*
Moore, Ivan Chancey	*LA*		‡		*Effingham*
Moore, John Carhart	*LA*	†		*21*	*Riverside*
Moore, James Gregory	*SS*	†		*92 5-6*	*Urbana*
Moore, Mary Rebecca	*LA*	†		*132*	*Tolono*
Moore, Neally Ollene	*Mus*	†	‡		*Champaign*
Moore, Nellie Anna	*SS*	†		*28½*	*Pittsfield*
Moore, Richard Jacob	*Agr sp*		‡		*Griggsville*
Moore, Ruby Frances	*LA*	†	‡	*63½*	*Urbana*
Morehouse, Paul Cass	*LA*	†	‡	*21*	*Toulon*
Morey, Lloyd	*LA Mus*	†		*180*	*Urbana*
Morgan, Alfred Clarence	*ME*	†		*38*	*Mt. Vernon*
Morgan, Benjamin Franklin	*LA*	†		*35*	*Champaign*
Morgan, Chester Arthur	*MnE*		‡		*Dawson*
Morgan, Charles Leonard	*A*	†	‡	*106½*	*Urbana*
Morgan, Everette Harmon	*ChE*	†		*32*	*Harvey*
Morgan, Frederick Lindley	*A(S10)*	†	‡	*116*	*Urbana*
Morgan, Grace Busey	*LA*	†	‡	*33*	*Urbana*
Morgan, Harry Edward	*L*	†	‡	*26*	*DuQuoin*
Morgan, John William	*SS*	†	‡	*30⅔*	*Clayton*
Morgan, Lotus Eugenia	*LA*	†		*9*	*Hampshire*
Morgan, Lyman Judd	*Cer*	†	‡	*59½*	*Hampshire*
Morgenthaler, Oscar Edward	*EE*		‡		*Joplin, Mo.*
Morley, Guilford Seymour	*BLA*	†	‡	*14*	*St. Louis, Mo.*
Morrell, Bernard F	*AE(S10)*	†		*8*	*FitzHenry, Pa.*
Morrell, Ralph Leonard	*CE*	†	‡	*11*	*Chicago*
Morrill, Guy Lyman	*ME*	†	‡	*111*	*Kewanee*
Morrill, Leslie Sherman	*ME*	†	‡	*37*	*Blue Island*
Morris, Alice Elvira	*S*		‡		*Viola*
Morris, Arthur Marvin	*L*	†	‡	*57*	*Oskaloosa, Ia.*

Morris, Bertha May	*SS*	†		*3 5-6*	*Greenview*
Morris, Benjamin Ray	*SS*	†	‡	*24⅔*	*Forrest*
Morris, Harvey B	*ME*	†		*55*	*Kansas*
Morris, Leland A	*L*		‡		*Jacksonville*
Morris, Minnie Ellen	*SS*		‡	*54½*	*Champaign*
Morris, Roy Edward	*EE*		‡		*Dwight*
Morris, Vernon Leslie	*AE*		‡		*Congress Park*
Morrison, Donald Kenneth	*Cer*	†	‡	*33*	*Champaign*
Morrison, Helen Sinclair	*HSAgr*		‡		*Joliet*
Morrison, Raymond Keir	*CE*	†	‡	*83*	*Joliet*
Morrison, Roger Leroy	*RCE(S10-11)*	†	‡	*166*	*Champaign*
Morrison, Willa Agnes	*Mus sp*	†	‡	*18*	*Rockford*
Morrison, William Raymond	*L*	†	‡	*26*	*Waterloo*
Morrissey, Edward Henry	*LA(S11)*	†	‡	*22½*	*Champaign*
Morrissey, Matthew Joseph	*EE*	†	‡	*25*	*Chicago*
Morrow, Irwin Gealy	*A*		‡		*Zimmerman, La.*
Morse, Jessie	*LA*	†	‡	*30*	*Urbana*
Morton, Mary Gertrude	*Lb*	†	‡	*25*	*Montezuma, Ia.*
Moschel, Margaret	*LA*	†	‡	*96*	*Chenoa*
Moser, Lee Elwood	*EE*	†	‡	*111*	*Sigel*
Moser, Olga Fern	*Mus*	†	‡	*51*	*Sigel*
Moses, Cleda Virginia	*LA*	†	‡	*89*	*Normal*
Moses, Ethelin Alice	*LA*	†		*10*	*Ctr. Junction, Ia.*
Mosiman, Joseph Edward	*A*	†		*145½*	*Morton*
Moss, Clarence Sedgwick	*A*		‡		*Charles City, Ia.*
Moss, Gladys Ione	*HSLA*		‡		*Chicago*
Moss, Robert Allyn	*LA*	†	‡	*21*	*Mt. Vernon*
Moss, Ruth Alice	*LA*	†	‡	*17*	*Mt. Vernon*
Mostoller, Harvey G	*Agr*		‡		*Bloomington*
Motsinger, Edward Francis	*CE(S10)*	†	‡	*102*	*Canton*
Mottern, Halbert Nicholas	*Agr sp*		‡		*Russellville, Ind.*
Mouch, William George	*CerE*	†		*23*	*Milford*
Moulton, Henry Harper	*S*		‡		*Glen Ellyn*
Moulton, Lora Belle	*HSAgr*	†		*67*	*White Hall*
Mounce, George	*S*	†	‡	*95*	*Farmingdale*
Mount, Darius Orendorff	*Agr*	†	‡	*45½*	*Delavan*
Mount, Jesse Roy	*Agr sp*		‡		*Mt. Vernon*
Mountjoy, Paul Hawes	*LA*		‡		*Lawton, Okla.*
Mounts, Will Walter	*ME*		‡		*Carlinville*
Mourning, Mary Katherine	*LA*	†		*133*	*Urbana*
Mourning, Nellie Irene	*LA*	†	‡	*97*	*Urbana*
Mourning, Paul Wetzel	*LA*		‡		*Rushville*
Moutray, Madeline	*LA*		‡		*Urbana*
Moutray, Mary Elizabeth	*Mus*		‡		*Urbana*
Moxon, Frank	*EE*	†			*Jacksonville*
Muckelroy, Renzo	*SS*	†	‡	*22½*	*Mt. Vernon*
Mueller, Alexander John F	*LA*		‡		*Racine, Wis.*
Mueller, Gustav Henry	*MSE*	†		*146*	*Carbondale*
Mueller, Harrie Stevens	*Agr*	†	‡	*35½*	*Wichita, Kan.*
Mulfinger, Carl Wesley	*L*	†	‡	*52*	*Chicago*
Muller, Cirilo Joseph	*BLA*	†	‡		*Buenos Aires,Arg*
Mulvaney, Charles Stewart	*CE*	†	‡	*46½*	*Chicago*
Munch, Arthur Hiram	*EE*	†		*150*	*Joliet*
Munroe, Courtland Leroy	*ChE(S10)*	†	‡	*127*	*River Forest*
Munsell, William Percy	*BLA*	†	‡	*18*	*Chicago*
Munson, Kezia Ethel	*SS*		‡		*Arcola*
Murdock, Paul Willard	*A*		‡		*San Antonio,Tex.*
Murduck, Elizabeth Adams	*Mus*	†		*14*	*Champaign*

Murk, Pauline Andrea	*SS*	†		*4 5-6*	*Chicago*
Murphy, Chalmer Worch	*LA*	†		*134 1-6*	*Urbana, Ohio*
Murphy, Frank Dwyer	*RCE*	†	‡	*119*	*Chicago*
Murphy, Frank Thomas	*Agr*	†	‡	*12*	*Chicago*
Murphy, Hosmer Leland	*AE*		‡		*Sparta*
Murphy, John P	*Agr(S11)*	†	‡	*28½*	*Sullivan*
Murphy, Joseph Ivan	*A*	†	‡	*25*	*Urbana, Ohio*
Murphy, Kendall Tuttle	*CE*	†	‡	*75*	*Sterling*
Murphy, Margaret	*SS*		‡	*7½*	*Carlinville*
Murphy, Mary Agnes	*Mus*	†	‡	*24*	*Sullivan*
Murr, Milton	*CE*	†	‡	*37*	*Chicago*
Murray, Eva Katherine	*SS*	†		*5*	*Oakdale*
Murray, Forrest Hamilton	*S*	†	‡	*33½*	*Mazon*
Murray, Margarette Blanche	*HSLA*		‡		*Champaign*
Murray, Norris Fay	*EE*	†	‡	*92*	*Mazon*
Murrin, John Henry	*CE*	†		*56*	*New York City*
Murvin, John Gould	*Agr*	†			*Bible Grove*
Mussenden, Ruth Isabel	*HSLA*		‡		*Roswell, N. Mex.*
Myers, Arthur Leslie	*ME*		‡	*56*	*Harvey*
Myers, Charles Everett	*Agr*		‡		*Hunt'ton, W. Va.*
Myers, Dan Everett	*Md*		‡		*Newman*
Myers, Flossie Rachel	*S*		‡		*Hunt'ton, W. Va.*
Myers, Howard Dimick	*CE*	†	‡	*108*	*Lockport*
Myers, Jacob William A.B., 1911	*L*	†	‡	*10*	*Harrisburg*
Myers, Kate Genevieve	*SS*	†		*7 5-6*	*Springfield*
Myers, Lena Josephine	*LA (S11)*	†	‡	*80*	*Urbana*
Myers, Nina Claire	*LA*		‡		*Urbana*
Myers, Odessa Madge	*LA*	†		*71*	*Mansfield*
Myers, Sarah Helen	*HSLA*	†	‡	*42*	*Chicago*
Myers, William Allen	*Md*	†	‡	*23*	*Brookston, Ind.*
Nafziger, Henry	*EE(S10)*	†	‡	*111*	*Aurora*
Nagel, Marcella Elizabeth Adelaide	*HSAgr*	†	‡	*24*	*Terre H'te, Ind.*
Naprstek, Frank Joseph	*AE*	†	‡	*73*	*Chicago*
Narkinsky, Charles Sol	*EE*	†	‡	*102*	*Little Rock, Ark.*
Nash, Grace	*SS*	†		*3*	*San Antonio, Tex.*
Nathan, Myer Oscar	*A*	†	‡	*103*	*Boone, Ia.*
Nau, Robert Harold	*CE*	†	‡	*112*	*Maywood*
Nay, Joseph Raymond	*AE(S10)*	†	‡	*111*	*Kansas*
Neal, Essie Edwina, A.B., 1910	*SS*		‡		*Chicago*
Neal, Harry Folsom	*LA*	†		*134½*	*Charleston*
Neal, Phil Hudson	*ME*		‡		*Bessemer, Ala.*
Nebel, Clarence Arthur	*Agr*		‡		*Urbana*
Nebel, Dora Myrtle	*LA*		‡		*Clinton*
Nebel, Merle Louis	*MnE*	†	‡	*75*	*Clinton*
Needham, Carrie Isabel	*HSLA*	†	‡	*99*	*Urbana*
Needham, John Wilbert	*AE*		‡		*Urbana*
Needham, Minnie Lucile	*HSLA*		‡		*Urbana*
Neely, Bertha	*LA*		‡		*Marion*
Neely, John Lynde	*Agr*	†	‡	*90½*	*Seward*
Neff, Edna Elizabeth	*LA*	†		*134*	*Petersburg*
Neff, John Sibert	*EE*	†	‡	*29*	*Lovington*
Neil, Edwin Hall	*CF*	†		*51*	*Kansas City, Mo.*
Neill, Alma Jessie	*HSS*		‡		*Chillicothe*
Neininger, Alonzo Beda	*CE*	†		*141*	*Alton*
Nelson, Anton Leonard	*SS*	†		*108*	*Gibson City*
Nelson, Benjamin	*ME*	†		*153*	*Chicago*
Nelson, Carl Ray	*ME*		‡	*54*	*Galesburg*
Nelson, Don David	*Agr*		‡		*Danville*

Nelson, Idris	*S*	†	‡	*109½*	*Canton*
Nelson, Joseph Colby	*A*		‡		*Hannibal, Mo.*
Nelson, Leon Wilfred	*Agr*		‡		*Knoxville*
Nelson, Milton Nels	*LA*		‡		*Chicago*
Nelson, Olive Eujane	*SS*		‡		*Lake Villa*
Nelson, Peter Swan	*ME*	†	‡	*62*	*DeKalb*
Nelson, Ralph Augustus	*ChE*		‡	*36*	*Chicago*
Nelson, Ralph Linnis	*ME*	†		*129*	*Moline*
Nelson, Raymond Andrew	*Agr(S11)*	†	‡	*91*	*Champaign*
Nelson, Roslyn Bertha	*LA*		‡		*Urbana*
Nelson, Walter Stephen	*EE sp*		‡		*Chicago*
Nelson, William Olaf	*EE*		‡		*Downers Grove*
Nesbitt, Herman Bayless	*Agr*		‡		*N. Richmond,Ind*
Nesbitt, William Rheuby	*Agr*	†		*51½*	*N. Richmond,Ind*
Nettleton, Elizabeth	*LA*	†		*130*	*Ashton*
Nettleton, Thorton Bennett	*A*	†	‡	*37½*	*Ashton*
Neu, Elbert	*ME*	†		*69*	*Taylorville*
Neuhalfen, Mathias	*AE(S10-11)*	†	‡	*58½*	*Grand Isl., Neb.*
Neuling, Harry John	*LA*		‡		*Ellis Grove*
Neville, Florence Edith	*LA*		‡		*Kewanee*
Nevins, Arthur Seymour	*BLA(S11)*	†	‡	*73*	*Champaign*
Nevins, Joseph Allan	*BLA(S10-11)*	†	‡	*109 1-6*	*Champaign*
Newbold, Roy Edgar	*A*	†	‡	*15½*	*Robinson*
Newburn, Mary Ellen	*Mus*	†		*36*	*Urbana*
Newburn, Naomi Olive	*HSLA*	†	‡	*34*	*Urbana*
Newcomb, Frank Herrick	*AE*	†		*13*	*Shellrock, Ia.*
Newcomb, Pearle Elizabeth	*LA*	†	‡	*64*	*Champaign*
Newcomb, Rexford	*A*	†		*160*	*Burlington, Kan.*
Newcomb, Thomas Frank	*LA*	†		*6*	*Champaign*
Newell, George Arthur, Jr	*BLA*		‡		*Medina, N. Y.*
Newitt, Cecilia Lee	*SS*	†			*McLeansboro*
Newlin, Charles Ivan	*Agr*	†	‡	*98*	*Indianapolis, Ind.*
Newlin, Frank Enoch	*L*	†		*91*	*Robinson*
Newton, Leonard Victor	*MnE*	†	‡	*75*	*Chicago*
Nichol, Catherine Louise	*Lb(S10)*	†		*33*	*Urbana*
Nichol, Frances Alcetta	*HSLA*	†		*15*	*Urbana*
Nichols, Edd Melancthon	*Agr*	†		*62½*	*Princeton*
Nichols, Edgar Fremont	*SS*	†		*11*	*DeKalb*
Nichols, Herbert Sigourney	*Agr*	†	‡	*16½*	*Dixon*
Nichols, James Lawrence	*BLA*	†	‡	*62*	*Naperville*
Nichols, Ralph Uline	*AE*	†		*76*	*Elgin*
Nichols, Walter Lester	*CE*		‡		*St. Louis, Mo.*
Nicholson, Margaret	*SS*	†		*13½*	*Paxton*
Nicholson, William Cecil	*Ch*	†	‡	*25*	*Urbana*
Nickelsen, John Minert	*ME*		‡		*Mediapolis, Ia.*
Nickerson, Avon Joshua	*BLA*		‡		*Champaign*
Nicki, Francis Stanley	*ME*	†	‡	*111*	*Chicago*
Niederman, Gertrude, A.B., 1908	*Mus*	†			*Chicago*
Niehaus, William, Jr	*CE*	†	‡	*119*	*Chicago*
Nielson, Gordon Frithiof	*A*		‡	*86*	*Paxton*
Nierstheimer, Louise Minnie	*LA(S10-11)*	†	‡	*95½*	*Pekin*
Nixon, Deane Lafferty	*S*	†		*10*	*Kansas City, Mo.*
Nixon, George Rittenhouse	*BLA*	†		*133⅓*	*Urbana*
Nixon, Sarah Louise	*LA(S10)*	†		*55*	*Urbana*
Noble, Joseph Morgan	*BLA*		‡		*Wichita, Kan.*
Noble, Juanita	*SS*		‡	*7*	*Viola*
Nolan, Nicholas Francis, Jr	*L*	†	‡	*10*	*Rockford*
Nolte, John Elbert	*S*		‡		*Pekin*

Noon, James Arthur	*S*	†	‡	*51*	*Everett, Mass.*
Noon, John Eliot	*LA*	†		*49*	*Everett, Mass.*
Noonan, Will Joseph	*ME*		‡		*Decatur*
Nordstedt, Einar August	*EE*		‡		*Joliet*
Norem, Harvey Jason	*ME*	†	‡	*35½*	*Seneca*
Norris, George Byron	*S*	†	‡	*47*	*Champaign*
Norris, Wesley Kayler	*CE*		‡		*Chicago*
Northey, Della Frances Ph.B. *(Univ. of Iowa) 1898*	*Lb*	†		*65*	*Waterloo, Ia.*
*Norton, Eugene Cyril	*CE*		‡		*Dundee*
Norton, Frederick Finney	*BLA*		‡		*Alton*
Norton, Harry Sims	*Md*	†	‡	*29*	*Pontiac*
Noth, Edwin Francis	*A*	†	‡	*44*	*Davenport, Ia.*
Noth, Lillian Genevieve	*LA*	†	‡	*101*	*Davenport, Ia.*
Nourse, Fred Melvin	*EE*	†	‡	*111*	*Maywood*
Nowlan, Anna Veronica	*SS*	†		*3⅔*	*Chicago*
Nowlen, Proctor Albert	*Agr*	†	‡	*28*	*Morrison*
Noyes, Fanny Anna, A.B. *(Vassar)* 1910	*Lb*		‡		*Evanston*
Nutt, George Sinclair	*S*		‡		*Kankakee*
Nye, Linn Jones	*Agr*		‡		*Harristown*
Nymeyer, Fred Henry	*BLA(S10)*	†		*128⅓*	*Goshen, Ind.*
Nyui, Tsun Yaong	*Agr*		‡		*Phekiang, China*
Oaks, Catherine Susan	*Lb*		‡	*32*	*Geneva, N. Y.*
Oathout, Claude Leslie	*Agr*	†	‡	*73½*	*Cissna Park*
O'Brien, Leo Frederick	*L*	†		*2*	*Galesburg*
O'Brien, Raymond John	*A*		‡		*Ivesdale*
O'Connor, Charles Andrew	*L*	†	‡	*58*	*DeKalb*
O'Connor, John	*CE*		‡		*Chicago*
Odell, Arthur Allen	*AE(S11)*		‡	*5*	*Holton, Mich.*
O'Donnell, Hugh	*Agr*		‡		*Chicago*
O'Donnell, Thomas Edward	*A*	†	‡	*119*	*Olney*
Oehmke, Martin Frederick	*L*	†	‡	*31*	*Gifford*
Ogden, Philip Langworthy	*EE(S10)*	†		*103½*	*Tiskilwa*
Ogle, Arthur Hook	*BLA*	†	‡	*65*	*Belleville*
Ogle, Charles Robert	*ME*	†	‡	*85*	*Belleville*
O'Hair, Alice Merle	*LA*	†			*Laurel, Ind.*
O'Hair, Austin Smith	*Agr sp*		‡		*Paris*
Ohrum, Frances Robertson	*S(S10)*	†		*130⅔*	*Cairo*
Olds, Grover Edwin	*Agr sp*		‡		*Chicago*
Olesen, Marie Georgine	*LA*		‡		*Chicago*
Olin, Irene Balfour	*Mus*		‡		*Chicago*
Olin, Roy Stanley	*EE*	†			*Paullina, Ia.*
Oliver, Chauncey Bristol	*ME*	†	‡	*103*	*Morgan Park*
Oliver, Jackson Mark	*Agr*	†		*8*	*Palisade, Col.*
Oliver, Marie Arnold	*HSAgr*	†	‡	*17*	*Maywood*
Olmstead, Clarence Eugene	*LA*	†		*133*	*Genoa*
Olsen, Anna Margaret	*SS*	†	‡	*17*	*Chicago*
Olson, Florence Armina	*LA*	†	‡	*95⅓*	*Deland*
Olson, Robert Harold	*AE*		‡		*Chicago*
Onoji, Watanabe	*SS*		‡		*Akita, Japan*
Orcutt, Arthur Henry	*Agr*		‡		*Arcola*
Ordonez, Benito, Jr	*ME(S10-11)*	†	‡	*61*	*Saltillo, Mex.*
Ormsby, Lelia Mae	*LA*	†		*54*	*Greenup*
Orosa, Vincente Ylazan	*MSE*	†		*155⅔*	*Bavan Batangas, P. I.*
O'Rourke, Daniel Patrick	*ME*	†		*24*	*Claremont, N. H.*
Orr, Clarence	*SS*		‡	*8*	*Auburn*

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*Deceased.

Orr, Harold Vaughn	EE	†	‡	36	Covington, Ky.
Orr, Harry	SS		‡	8½	Sidell
Orr, Mary Elizabeth	LA	†	‡	33	Pekin
Orvis, Lloyd Eugene	L sp		‡		Waukegan
Osborn, Doris Adda	HSLA	†		53	Woodstock
Osborn, Lela Gertrude Vaughn	HSLA		‡		Urbana
Osborn, Paul Ignace	EE(S11)		‡	7	Milford
Osborne, Edna Pearl	LA(S10)	†		129½	Parsons, Kan.
Osborne, Maud	Lb	†		65	Scranton, Ia.
Osborne, Merwyn Oliver	LA	†			Champaign
Osborne, Pauline Theodora	LA(S10-11)	†	‡	12	Champaign
Osman, Harold Choate	ME	†	‡	76	Chicago
Osman, Louise	LA		‡		Chicago
Osmena, Mariano Virgilio	CE	†		108	Cebu, P. I.
Ossadezi, Chaskel	ChE	†			Chicago
Oswalt, Ben	LA		‡		Anderson, Ind.
Otis, Harold Anthony	EE	†	‡	107	LaGrange
Ott, Percy Wright	SS	†	‡	7	Mt. Hermon, Ia.
Ottman, Harley Paris	Agr	†	‡	55½	Chicago
Otto, Harry Hugo	Agr	†		9½	Elgin
Otwell, Ralph B	Agr	†	‡	28½	Carlinville
Ou, Hau-Ching	Agr(S10-11	†		150½	Canton, China
Ousley, Harold Paul	BLA	†	‡	31	Paris
Overland, Amy Marie	LA	†	‡	106	St. Louis, Mo.
Overmier, Emmons	ME	†	‡	75	Mt. Auburn
Overmier, Melvern D	EE(S10)	†		152	Mt. Auburn
Overstreet, Robert Harris	CE	†		64	Oak Park
Ovitz, Hazel Louise	LA	†		128	Mineral Pt., Wis.
Owens, Raymond William	EE	†	‡	37	Morris
Pack, Margaret	LA	†	‡	74	River Forest
Packard, Ella Edna	Lb		‡		Ft. Morgan, Colo.
Page, Harold Meredith	A		‡		Keoha, Ia.
Page, William Thomas	CE	†		71	Springfield
Paine, Olive Allen	S		‡		N.Woodst'k,Conn
Paisley, Ada Mae	LA	†		131	Champaign
Palmer, Cyrus Edmund	AE	†	‡	112	Augusta
Palmer, Eckels	CE	†	‡	55	Princeton
Palmer, Julius Clark	EE	†	‡	33	Augusta
Palmer, Lloyd Elden	AE	†		40	Kemper
Palmer, Wayne Platter	AE(S10)	†		78	Chicago
Palmer, William King, Jr	Agr	†	‡	74½	Berwyn
Palmquist, David Roy	EE	†		143	Moline
Palmquist, Robert Eric	AE	†		91	Chicago Heights
Panhoe, Henry Aki	CE	†	‡	16	Huang Shan, Chi.
Panhorst, Frederick William	CE		‡		Staunton
Pankow, Charles John	A	†	‡	75	Elgin
Pape, Leroy F	S		‡		Chicago
Papsdorf, Paul George	Mus	†			Saline, Mich.
Parent, Eugene Joseph	LA		‡		Menominee, Mich
Park, Iva Myrtle	Mus		‡		Urbana
Park, John Wallace	A	†	‡	38	Harvey
Parker, Gilbert Walter	CE	†	‡	86½	Champaign
Parker, Helen Lucy	LA	†	‡	92	Champaign
Parker, Henry Benton	Agr	†	‡	14	Chicago
Parker, Jacob William	L sp	†	‡	5	Carrollton
Parker, Lannis Alvin	EE		‡		Metropolis
Parker, Raymond Webb	EE		‡		Champaign
Parker, Vilas	SS	†		93	Oak Park
Parker, Warren Kender	Agr		‡		Arlington Heights
Parkhurst, Matthew Simpson	Agr	‡	‡	117½	Evanston

Parkins, Earle Henderson	*ChE*	†	‡	*34*	*Chicago*
Parkins, Frank Elmer	*ME(S10)*	†	‡	*91½*	*Chicago*
Parkinson, Chester Bumgardner	*Md*	†		*39*	*Centralia*
Parkinson, Ethel Morton	*SS*	†		*16*	*Centralia*
Parkinson, Harry Glenn	*Agr*		‡		*Dunn Station, Pa.*
Parks, Albert Henry	*EE*	†	‡	*85*	*Ottawa*
Parks, Louise Elizabeth	*Mus*		‡	*54*	*Minonk*
Parks, Ralph Milton	*Mus(S11)*	†	‡	*20½*	*Urbana*
Parks, Wilma Gay	*LA*		‡		*Cooperstown*
Parr, Clyde Harrison	*L*	†	‡	*48*	*Granite City*
Parr, Elizabeth	*Mus*	†	‡	*133*	*Urbana*
Parrett, Florence Mae	*Mus*	†		*130 1-6*	*Homer*
Parsons, Mrs. Emma Kelly	*Lb*		‡		*Marshall, Mo.*
Parsons, Harry McLauchlan	*Agr*	†	‡	*108*	*Chicago*
Parsons, Robert Percival	*Md*		‡		*Chicago*
Partridge, Hugh Richard	*L*	†		*84*	*Effingham*
Partridge, Newton Lyman	*Agr(S11)*	†	‡	*63½*	*Chicago*
Patch, Lloyd Adair	*L(Agr10-11)*	†	‡	*15*	*Sycamore*
Paterson, William, Jr	*ME*		‡		*Buffalo, N. Y.*
Patterson, Charles Roy	*LA*	†		*29*	*Sullivan*
Patterson, Howard Earl	*SS*	†			*Champaign*
Patton, Carrie Cade	*Lb*	†		*65*	*Urbana*
Patton, Elsie	*HSLA(S10)*	†	‡	*91*	*Urbana*
Paul, Harold	*Agr sp*		‡		*Joliet*
Paul, Mary Josephine	*SS*	†		*145-6*	*Jerseyville*
Payne, Edwin Francis	*Agr sp*		‡		*Newton*
Payne, Lawrence Edwin	*CE*	†		*39*	*Carthage*
Payne, Richard Fuller	*LA*		‡		*Omaha, Neb.*
Payne, Veda Louise	*S*		‡		*Chicago*
Peace, Cameron Albert	*Agr*	†		*32*	*Ottawa*
Peadro, Earl D	*SS*	†		*102*	*Sullivan*
Pearce, Jennie Eliza	*SS*	†		*6⅔*	*Bloomfield, Ia.*
Pearson, William Henry	*BLA(S10)*	†	‡	*70*	*Lena*
Pease, Ira J	*SS*	†		*6⅓*	*Cisco*
Peck, Anna Lorine	*LA*	†	‡	*98*	*Champaign*
Peck, Joseph Henry	*Agr*		‡		*Ottawa*
Peeples, William McCord	*Ch*	†	‡	*34*	*Shawneetown*
Pegram, William Alexander	*ME*	†		*140*	*Lincoln*
Peirce, Earle Carleton	*ME*	†	‡	*34*	*Chicago*
Peiser, Marcus Aurelius	*SS*	†		*5*	*Chicago*
Peloquin, Pierre Joseph	*RCE*	†		*159½*	*Woonsocket, R. I.*
Pelton, Edith Lovine, B.A., *(Univ. Wisconsin)* 1907	*Lb*		‡		*Milton Jct., Wis.*
Pengilly, Henry Eugene	*ME*	†	‡	*49*	*Chicago*
Penn, Cora Pearl	*Mus*	†		*7*	*Sigel*
Penn, John George	*EE(S11)*		‡	*74*	*Morris*
Penn, Victor Hugo	*A*	†	‡	*28*	*St. Louis, Mo.*
Pennebaker, Charles Thomas	*ME*		‡		*S. Columbus, Ky.*
Pennewill, Gilbert Wenger	*Agr sp*		‡		*Washington*
Percival, Helen Myra	*HSAgr(S10)*	†	‡	*32*	*Urbana*
Percival, Mabel Hope	*SS*		‡		*Champaign*
Percival, Marion Louise	*LA(S11)*	†	‡	*55½*	*Champaign*
Percival, Olive Belle, B.S., 1910	*LA*		‡		*Urbana*
Peret, Cecil Herbert	*BLA*	†	‡	*70*	*Seneca, Kan.*
Perez, Carlos Santiago	*AE*		‡	*10*	*Saltillo, Mex.*
Perkins, Effie Maud	*Mus*	†			*Vergennes*
Perkins, Paul Kenneth	*Agr sp*		‡		*Paris*
Perkins, Thomas Cheney	*BLA*	†		*27*	*Chicago*

Perring, Floyd John	S		‡		Champaign
Perrott, Richard Henry	SS		‡	9 1-6	Arthur
Perry, Edna Verne	LA(S11)		‡		Joliet
Perry, Elmer T	Agr sp		‡		Urbana
Perry, George Sanford	Agr	†	‡	3	Champaign
Perry, Josephine Esther	LA		‡		Dundee
Perry, Josephine Woodward	LA		‡	15	Manhattan, Kan.
Perry, Nelle	LA	†	‡	67	Robinson
Perry, Ralph Grover	MnE		‡		Joliet
Perry, Winifred Almina	LA	†		140½	Urbana
Pervier, Carrie May	HSLA	†	‡	62	Sheffield
Petersberger, Elmer Lindauer	BLA	†	‡	32	Dixon
Petersen, Herbert Christian	CE(S11)	†	‡	74	Chicago
Petersen, John Bernard	Ch	†		150	Oak Park
Peterson, Arthur William	CE		‡		Belvidere
Peterson, Erle Sherman	ME(S10)	†		139	Crystal Lake
Peterson, Harold	CE	†	‡	91	Chicago
Peterson, Hilding Cunard Reynold	ME	†	‡	45	Chicago
Peterson, Harry William	L	†		23	Geneva
Peterson, Mary Sophia, A.B. (Univ. Wisconsin), 1911	Lb		‡		Kenosha, Wis.
Peterson, Ralph Gerald	CE	†	‡	91	Chicago
Petrie, Nina Edith	SS	†		1⅔	Lincoln
Petry, Charles Aloysius	CE	†		144	Chicago
Pettinger, George Ernest	ME	†		33	Cumberland, Ia.
Peyraud, Albert Paul	A		‡		Wheaton
Pfeffer, Harold Sylvester	A(S11)	†	‡	66½	Lebanon
Pfeiffer, Benjamin Salisbury	ME	†	‡	110	Peoria
Pfeil, Raymond Frank	Agr	†		26	Freeport
Pfingst, Calvin Henry	SS		‡	7	Effingham
Pfrangle, Charles Perry	Ch		‡		Aurora
Phareis, George Alford	Agr		‡		St. Joseph
Phelps, Harvey John	LA		‡		Rochelle
Phelps, John Carne	ME	†	‡	37	Oak Park
Phenicie, Homer Warren	EE(S10)	†		20	St. Joseph
Philbrick, Frederick Charles	ME	†		66	Chicago
Philbrook, Alma Faye	HSS	†		27	Rock Island
Philip, Clyde Alvin	ChE	†	‡	22	Chicago Heights
Philleo, George West	ME	†	‡	120½	Urbana
Phillips, Claude Watson	CE	†		66	Marion
Phillips, John Breen	S(S11)	†		130	Sullivan
Phillips, Jay Hamilton	Md	†	‡	29	Chicago
Phillips, Lester Leroy	EE		‡	106	Sterling
Phipps, Charles Rush	Agr	†		147	Mackinaw
Pickell, Mark Weisner	Agr		‡		Bridgeport
Pickering, Paul Walker	BLA		‡		Springfield
Pickett, Roy Ernest	AE	†		141	Chicago
Pieper, John	EE	†		57½	Granite City
Pierce, Audrey Oretha	LA		‡	35	Gifford
Pierce, Cedric Harlan	Agr	†	‡	9½	Chicago
Pierce, Eunice Martha	SS	†			Cohocton, N. Y.
Pierce, Jessie Evelyn	HSLA		‡		Gifford
Pierce, Thirza May	LA(S10)	†		130	Elgin
Pierson, Lloyd Miland	CE		‡	32	Spring Valley
Pihlgard, Eric F	A		‡		Chicago
Pike, Bessie Marie	Mus		‡		Plainfield
Pike, George Hyde	BLA		‡		Silvis
Pilcher, Omer Frederick	EE	†		18	Joliet

Pilger, Omer Casper	*CE*	†	‡	*23*	*Beardstown*
Pinault, Louis Clovis	*A*		‡		*Minneap's, Minn.*
Pinckney, Frank Loyer, A.B., 1910	*SS*	†		*8⅔*	*Pontiac*
Ping, Clarence Edgar	*Agr sp*		‡		*Auburn*
Pinkney, Fred Theodore	*ChE*		‡		*Chicago*
Pinkstaff, Lee	*Agr sp*		‡		*Lawrenceville*
Pinnell, Lawrence Leroy	*Agr*	†	‡	*21*	*Kansas*
Piper, Clark Culbertson	*Md*	†	‡	*64*	*Sumner*
Piper, Harry Bruce	*Agr*	†	‡	*38*	*Sumner*
Piper, William Ambrose	*S*		‡		*Sycamore*
Pistorius, Bernhard Henry	*CE*	†		*142*	*Chicago*
Pittman, Thomas Merrill, Jr	*CE*	†		*156*	*Henderson, N. C.*
Pitton, Mrs. Herman Carleton	*Mus*	†			*Champaign*
Pitts, John Joseph, Jr	*LA*	†	‡	*35*	*Bloomington*
Plack, Theodore	*CE*		‡		*Champaign*
Planck, Catharine Melvina	*HSAgr*	†	‡	*24*	*Chicago*
Platofsky, Edward Charles	*Ch*		‡		*Chicago*
Platt, Casper	*LA*	†	‡	*35*	*Danville*
Pletcher, Erno Baker	*LA(S10)*	†		*137⅔*	*Rochester, Ind.*
Pletcher, Lyle Jay	*Agr(S11)*	†	‡	*69½*	*Rochester, Ind.*
Pletcher, Opha Belle	*Lb(S11)*	†		*31*	*Rochester, Ind.*
Plochman, Carl Morris	*EE*	†	‡	*74*	*Evanston*
Plowman, Earl Edward	*BLA*		‡		*Tonkawa, Okla.*
Plummer, Honor Louise	*Lb*	†	‡	*35*	*Idaho Spr., Col.*
Pogue, Paul Wright	*BLA*	†	‡	*41*	*Findlay*
Pogue, Stanley Landon	*L*	†	‡	*59*	*Sullivan*
Pohl, Daniel John	*EE*	†		*37*	*Mendota*
Polakow, Alexander Hyman	*ChE*		‡		*Chicago*
Polhemus, Joseph Burton	*Agr*	†	‡	*23½*	*Peoria*
Polkowski, Harry	*CE*	†	‡	*129*	*Chicago*
Pollard, Leila Jean	*HSLA*	†	‡	*23*	*St. Charles*
Pollard, Lottie Emily	*LA*		‡		*Chicago*
Pollock, Charles William	*EE(S10)*	†	‡	*94½*	*Seaton*
Pollock, Harry Robb	*Agr(S11)*	†	‡	*70*	*Clinton*
Pollock, James Jr	*Agr*	†	‡	*42½*	*Cambridge*
Polmeteer, Mary	*SS*	†		*2½*	*Waukegan*
Pond, Frank Hayward, Jr	*ME*	†		*144*	*Chicago*
Ponder, Ray Boyd	*ME*	†		*133*	*Urbana*
Ponder, Wilme Edith	*LA*	†	‡	*100*	*Urbana*
Ponder, Wilbur Homer	*LA(S10)*	†	‡	*90*	*Urbana*
Pool, Ernest Howard	*LA*		‡		*Ottawa*
Poole, Ernest Cleveland	*CE*	†	‡	*67*	*Anna*
Poor, Hattie Mildred	*LA*	†	‡	*105*	*Streator*
Pope, Grace Castello	*LA(S10)*		‡	*5 5-6*	*Centralia*
Pope, Lawrence Arthur	*EE*	†	‡	*29½*	*Moline*
Popp, Paul Fred	*ME*	†		*155*	*Chicago*
Porter, Agnes Nellie	*LA*	†	‡	*65*	*Olney*
Porter, Burt Nourse	*Agr*		‡		*Moline*
Porter, Charley Lyman	*Agr*		‡		*Mackinaw*
Porter, George Winerals	*CE*	†	‡	*69*	*Belvidere*
Porter, Joseph Richard	*Agr*	†		*87*	*Circleville, O.*
Porterfield, Willard Blaine	*BLA(S10)*	†	‡	*60*	*Fairmount*
Portuondo, Juan	*CE(S11)*	†	‡	*21*	*Santiago de Cuba*
Portuondo, Miyares Antonio	*Agr*		‡		*Santiago de Cuba*
Postel, Allan Julius	*BLA*	†		*133*	*Mascoutah*
Postel, Frederick William	*BLA*	†	‡	*9*	*Mascoutah*
Poston, Emmett Vincent	*S*	†		*130*	*Martinsville, Ind.*
Poston, Floyd Emerson	*S*	†	‡	*33*	*Attica. Ind.*
Potter, Earl Frederick	*BLA*	†	‡	*24*	*Lake Villa*

Potter, Ellis J	*A*	†	‡	*79*	*Morrison*
Potter, Emery Vern	*EE*		‡		*Morrison*
Potter, Leroy Talmage	*Agr*	†	‡	*67*	*Jacksonville*
Powel, Ellen Catherwood	*LA*	†		*131*	*Taylorville*
Powell, Bernice	*LA*		‡		*Des Moines, Ia.*
Powell, Hazel Florence	*SS*		‡	*4*	*Muskogee, Okla.*
Powell, Horatio Nicholas	*EE(S11)*	†	‡	*70*	*Champaign*
Powell, Lewis Lawrence	*CE*	†	‡	*100*	*Chicago*
Powell, Stanley Noyes	*CE*		‡		*Bowen*
Power, Clarence F	*Agr*	†		*34½*	*Sandoval*
Powers, Fred Richmond	*Agr*	†	‡	*26½*	*Tiskilwa*
Powers, J Orin	*S*		‡		*Champaign*
Powers, Leroy Tallman	*Agr*	†	‡	*34½*	*Sterling*
Powers, Luella Florence	*LA(S11)*	†	‡	*96⅙*	*Sterling*
Powers, Samuel Ralph	*Md(S11)*	†	‡	*89*	*Petersburg*
Prahman, Charles Edward, Jr	*A*		‡		*Oak Park*
Prasil, Anton	*ChE*	†	‡	*35*	*Berwyn*
Prather, Tirrie Ostin	*L*	†	‡	*57*	*Newton*
Pratt, Arthur Comstock	*BLA*	†	‡	*26*	*Pawpaw*
Pratt, George Robert	*Agr sp*		‡		*Wayne*
Pressler, Albert Henry	*Agr*		‡		*Chicago*
Preus, Paul Rudolph Arctander	*CE*	†	‡	*37*	*Viroqua, Wis.*
Price, Bessie May	*S(S10-11)*	†		*45*	*Havana*
Price, Charles Bradlaw	*Agr sp*		‡		*Vienna*
Price, Earl Franklin	*BLA*		‡		*So. Bend, Ind.*
Price, Harry Brusha	*SS*	†	‡	*86⅓*	*Ashton*
Price, John McCree	*Cer*		‡		*Brazil, Ind.*
Prickett, Alva LeRoy	*BLA*	†	‡	*99*	*Litchfield*
Primm, James Kelly	*S sp*		‡		*Urbana*
Primm, Philip Timon	*A*	†		*15*	*Urbana*
Prince, David Chandler	*EE(S11)*	†	‡	*112*	*Springfield*
Prince, Ford Smoot	*Agr*	†	‡	*77*	*Conover, O.*
Prince, William Jasper	*Ch*	†	‡	*20*	*Coin, Ia.*
Prindiville, Francis Joseph	CE	†	‡	*105*	*Chicago*
Prindle, Merwin Logsdon	*S*	†	‡	*60*	*Chicago*
Pritchard, Paul Herbert	*Agr*		‡		*Belvidere*
Pritchett, Betty Huston	*Lb*	†		*17*	*Independence, Mo*
Pritzlaff, Charles Phillip John	*CE*	†	‡	*40*	*Chicago*
Privotte, Bertha May	*Mus*	†			*Taylorville*
Privotte, Linda Isabelle	*Mus*	†		*2*	*Taylorville*
Proessel, William John	*Agr sp*		‡		*Champaign*
Propst, Duane Willard	*ChE*		‡		*Springfield*
Prout, Fred Joseph	*RME*	†	‡	*75*	*Topeka, Kan.*
Prouty, Edwin Chester	*CE*	†	‡	*48*	*Chicago*
Pruitt, Joe Lida	*LA*		‡		*Urbana*
Pudney, William Kent	*Md*	†	‡	*27*	*Montclair, N. J.*
Pugh, Ada Roberta	*HSLA(S10-11)*	†	‡	*51 5-6*	*Champaign*
Purcell, Charles Alexander	*Agr*	†	‡	*92*	*Evanston*
Purcell, Minnie Veronica	*SS*	†		*3⅔*	*Chicago*
Purdy, Raymond H	*A*		‡		*Vincennes, Ind.*
Pursifull, Joseph Henry, LL.B., 1909	*SS*		‡		*Newton*
Pursley, Emma Stine	*LA*		‡		*Kansas City, Mo.*
Pursley, Helen Nettie	*HSAgr*		‡		*Kansas City, Mo.*
Pusey, Frank Whitcomb	*Agr*	†	‡	*30*	*Chicago*
Pyle, Laura Lee	*SS*	†		*9*	*Havana*
Quick, George Edward	*AE*	†	‡	*37*	*Tiskilwa*
Quinn, Bernice Mae	*LA*		‡		*La Fayette*
Quinn, Robert John	*ChE*	†	‡	*110*	*Chicago*
Quirk, Robert Charles	*CE*	†	‡	*22*	*Chicago*

Quisenberry, Lawrence	*Agr*	†		*59*	*Atlanta*
Raab, Anita Emma	*LA*		‡		*Belleville*
Raab, George Herman	*Agr*	†			*Cabery*
Race, Maud Ella	*SS*		‡		*Kenosha, Wis.*
Radican, Thomas Francis	*SS*		‡	*5*	*Joliet*
Radmore, Eleda Blake	*LA*	†	‡	*14*	*Chicago*
Rafferty, Clive Kleckner	*Agr*		‡		*Carrollton*
Raffin, Isador	*AE*	†	‡	*118*	*Waukegan*
Railsback, Howard Marion	*BLA*	†		*130*	*Hopedale*
Rall, Eugene Robert Paul	*CE*		‡		*Chicago*
Ralston, Hugh Aster	*LA*	†		*38*	*Rock Island*
Ralston, Stuart Albert	*EE*		‡	*103*	*Caledonia*
Ramey, George Erwin	*A*	†	‡	*110½*	*Champaign*
Ramey, Robert Henry	*ME*	†		*53½*	*Champaign*
Ramp, Waldow Lester	*Agr*	†		*120½*	*Knoxville*
Ramsey, Carrie Eva	*SS*	†	‡	*17⅓*	*Denver, Col.*
Ramsey, Leonidas Willing	*A*		‡		*Hazlehurst, Miss.*
Rand, Charles Claflin	*Cer*	†	‡	*70*	*Lombard*
Randall, Arthur Edwin	*CE*	†		*140*	*Cambridge*
Randall, Claude Walter	*SS*	†	‡	*15*	*Wenona*
Randall, Thomas David	*ME*		‡		*Chicago*
Randolph, Hallie Burnside	*Agr*		‡		*Covington, Ind.*
Randolph, Otto Coffeen Fitz	*CE*	†	‡	*71*	*Chicago*
Rang, Carl King	*LA*	†	‡	*35*	*Rockford*
Rankin, Cora Emma	*SS*		‡	*4½*	*Gibson*
Rankin, Earl	*EE*	†	‡	*74*	*Vermont*
Ranson, Ethel Alice	*LA*	†	‡	*67*	*Havana*
Ranson, George Audas	*ME*	†	‡	*124½*	*Havana*
Rapp, John Holly	*LA*		‡		*Fairfield*
Rapp, Lawrence Mortz	*CE*	†	‡	*65*	*Chicago*
Rapp, Peter George	*AE*		‡		*Fairfield*
Rappaport, Benjamin Julius	*AE*	†	‡	*47*	*Chicago*
Rappleye, Willard Cole	*S*		‡		*Menominee, Mich.*
Rascher, Charles	*ChE*	†	‡	*99*	*Chicago*
Ratcliff, Glenn	*LA*	†	‡	*26*	*Greenup*
Ratcliffe, Frank Damon	*ME*	†	‡	*25*	*Olney*
Ratekin, Otis Benjamin	*Agr*	†		*12*	*Swan Creek*
Rathbun, Acors Earl	*Agr*	†	‡	*115½*	*Glen Ellyn*
Rathfon, Sydney Clen	*AE*	†	‡	*107*	*Chicago*
Rathfon, William Owen	*CerE*		‡		*Chicago*
Rathsack, Mary	*LA*	†		*78*	*Greenview*
Rauch, Paul Vincent	*A*	†		*64*	*Wichita, Kan.*
Raut, Alfred	*Agr sp*		‡		*Urbana*
Rawlings, Wayne Robert	*BLA*		‡		*Jacksonville*
Ray, Bryne L	*Agr*	†	‡	*75*	*Mason City, Ia.*
Ray, Robert William	*EE*	†		*151½*	*Stonington*
Rayburn, Allan Barnes	*Agr*		‡		*Bloomington*
Raymond, Edith Maude	*LA*		‡		*Hiawatha, Kan.*
Raymond, Reva Jane	*HSAgr*		‡		*Evansville, Ind.*
Raynolds, Scott Homer	*Agr sp*		‡		*Buffalo*
Reace, William Thomas	*EE*		‡		*Marseilles*
Real, Raymond George	*L*	†	‡	*54*	*Sterling*
Ream, Walter Joseph	*SS*	†		*74*	*Peru*
Reck, Edgar DeWitt	*EE*	†			*Lena*
Rector, Theodore J	*Agr*	†	‡	*15*	*Smithfield*
Redborg, Carl Eric	*BLA*	†		*87*	*Batavia*
Redden, Jessie Mabel	*LA*	†		*30*	*Danville*
Redderson, Edward Ernest	*RCE*	†	‡	*92*	*Chicago*
Redhed, Alice	*LA*	†	‡	*74½*	*Tolono*

Reed, Chester Otis	*Agr*	†		*134*	*Newark, N. Y.*
Reed, Erwin Ambrose	*CE*	†	‡	*85*	*Chicago*
Reed, Gratia Jewett	*LA*		‡		*Warsaw*
Reed, Russell Stickney	*Agr*	†	‡	*28*	*Cairo*
Reeder, John Corwin	*SS*	†		*30½*	*Arthur*
Rees, Russell Rosier	*CE*	†	‡	*22*	*Aurora*
Reeves, Henry Payne	*LA*		‡	*65½*	*Urbana*
Reeves, Herman Thornton	*A*	†	‡	*74*	*Citronelle, Ala.*
Rehling, Charles Henry	*Agr*		‡		*Waterloo*
Rehm, Raymond Rollin	*Agr*	†	‡	*35½*	*Oak Park*
Reichard, Della May	*LA(S11)*		‡		*Urbana*
Reichard, Ura	*LA*		‡		*Urbana*
Reichelt, Raymond Edward	*EE*	†		*18*	*Maywood*
Reid, Mollie	*LA(S10)*	†		*129½*	*Ozark*
Reid, Olive Gertrude	*Agr sp*		‡		*Urbana*
Reiger, Olive Victoria	*HSAgr*	†		*48*	*Springfield*
Reigle, Earl Vinton	*ME*	†		*88*	*Canton*
Reilly, Raymond Thomas	*CE*	†	‡	*37*	*Waukegan*
Reimert, Robert Ritter, Jr	*AE*	†	‡	*51*	*Chicago*
Rein, Fritz	*Agr*	†	‡	*100*	*Gilman*
Reinhart, Irwin Julius	*Agr sp*		‡		*Alhambra*
Reininga, Jacob	*LA*		‡		*Oak Park*
Reisner, Charles Leonard	*Agr*	†	‡	*67½*	*Sterling*
Reisner, William Curtis	*A*	†		*8½*	*Springfield*
Reitz, Walter Richard	*ME*	†	‡	*82*	*Chicago*
Reller, Erma Marie	*LA*	†		*131*	*Beardstown*
Remick, Andrew Bernard	*L*	†		*72*	*Champaign*
Remington, Frank Sheldon	*BLA*		‡		*Pulaski, N. Y.*
Remmel, Paul	*BLA*	†	‡	*22*	*Little Rock, Ark.*
Renard, George Albert	*L*	†		*62*	*East St. Louis*
Renich, Katherine Louise	*LA*	†		*134*	*Woodstock*
Renner, Julia Elizabeth	*LA*		‡		*Urbana*
Renner, Mary Fay	*LA*	†		*97*	*Urbana*
Renner, Sylvia Pearl	*HSAgr*	†	‡	*28*	*Urbana*
Reno, Guy Benjamin	*LA*		‡		*Browning*
Renwick, Ralph	*AE(S11)*	†		*165⅔*	*Chicago*
Renz, Myrtle Anna	*Lb*	†	‡	*35*	*Henning*
Reuling, Fred William	*BLA*	†	‡	*28*	*Morton*
Reum, Hope Edward	*CE*	†	‡	*81*	*Chicago*
Rexwinkle, Daphne Margaret	*Mus*	†		*47*	*Vandalia*
Rexwinkle, Fred DeLong	*EE*	†	‡	*111*	*Vandalia*
Reynolds, Barney Williams	*CE*	†	‡	*14*	*El Paso, Tex.*
Reynolds, Mrs. Garretta	*Mus*	†			*Springfield*
Reynolds, Homer Scott	*AE*		‡		*Oskaloosa, Ia*
Rezanka, Richard	*EE*		‡		*Chicago*
Rhea, Chleo James Jared	*EE*		‡		*Jacksonville*
Rhodes, Carlyle S	*CE*		‡		*Lovington*
Rhodes, Edward Melville, LL.B., 1900	*Agr(S11)*	†	‡	*88*	*Urbana*
Rhyne, Charles Leon	*CE*	†	‡	*57½*	*Princeton*
Rice, Charles Clyde	*CE*	†		*141*	*Bone Gap*
Rice, Edwin Judson	*Agr*	†			*Shelbyville*
Rice, Grover Cleveland	*S*	†		*81*	*Irving*
Rice, Hugh Monroe	*Agr*	†	‡	*28½*	*Gillespie*
Rice, Virgil Samuel	*Agr*	†	‡	*34*	*Disco*
Rich, Donald Best	*Agr*		‡		*Chicago*
Rich, Ernest Albert	*L*	†	‡	*26*	*Washington*
Rich, Maude	*SS*	†			*Anna*
Rich, Paul Cobb	*ChE*	†	‡	*37*	*Chicago*
Richards, Franklin B	*ME*		‡		*Chicago*

Richards, Helen Marie	*LA*	†	‡	*35*	*Joliet*
Richards, Lenore	*LA*		‡		*Urbana*
Richardson, Benjamin Franklin	*Agr*	†		*12½*	*Sidell*
Richardson, Charles	*Agr*	†	‡	*35½*	*Louisville, Ky.*
Richardson, Frank B, Jr	*Agr*	†	‡	*16*	*Chenoa*
Richardson, Juanita Bonnie	*HSAgr*		‡		*St. Louis, Mo.*
Richart, Frank Erwin	*CE*	†	‡	*36*	*Urbana*
Riche, Arthur Louis	*EE*	†	‡	*90*	*Nora Springs, Ia.*
Richey, Friedel Chapin	*Agr*	†	‡	*17½*	*Chicago*
Richie, Wilson Leaverton	*S*	†		*74*	*Georgetown*
Richmond, Elbert Franklin	*Agr*	†		*19½*	*Minier*
Richmond, George Bradford	*Agr sp*	†		*27*	*Elburn*
Richmond, George Kerns	*BLA*	†	‡	*1½*	*Prophetstown*
Ricketts, Clara Agnes	*Lb*	†		*64*	*Champaign*
Riddle, Lillian	*LA*	†	‡	*86*	*Mattoon*
Ridgly, Temple Elliott	*BLA*	†	‡	*89*	*Springfield*
Rietz, Nelle Melissa	*S(S11)*	†	‡	*113*	*Port Wash'ton, O.*
Riff, David Morris	*CE*	†	‡	*37*	*Chicago*
Rigg, Granville Leroy	*Agr sp*		‡		*Goldengate*
Riggs, Ray Vere	*Agr*		‡	*32*	*Jerseyville*
Righter, Nellie Pauline	*LA*	†	‡	*57*	*Champaign*
Righter, Pearl Geneva	*LA*		‡		*Saunemin*
Riley, Leslie Ernest	*SS*	†		*10*	*Medora*
Rinaker, Dorothy Sue	*HSS*		‡		*Springfield*
Rinehart, Everett Ross	*S*		‡		*De Land*
Riner, Imogene	*Mus*	†		*2*	*Mason City*
Riner, Jessie Margaret	*Mus*	†			*Mason City*
Ripley, Jean Kimberly	*Agr*	†	‡	*30*	*Chicago*
Risser, Roy E	*Agr*	†	‡	*25½*	*Washington*
Ritchey, Royal Wane	*Agr*		‡		*Macomb*
Ritter, Ferdinand Theodore	*EE*		‡		*St. Louis, Mo.*
Ritts, Charles Laurance	*ME*		‡		*Sparta*
Rivera, Luis	*SS*	†		*7⅔*	*Pagsanhan, Laguna, P. I.*
Rives, Nannie Baxter	*LA sp*		‡		*Rockbridge*
Rives, Reba Belle	*LA sp*		‡		*Greenfield*
Roark, Raymond Jefferson	*CE*	†		*143*	*Richmond, Ky.*
Robbins, Ruth	*HSLA*		‡		*Congress Park*
Robert, Jules Henry	*ME*	†	‡	*37*	*Lacon*
Roberts, Asbury	*SS*		‡	*2½*	*St. Louis, Mo.*
Roberts, Charles Ellis	*ME*		‡		*Indianapolis, Ind.*
Roberts, Charles Simeon	*L*	†	‡	*83*	*Chicago*
Roberts, Chester Corwin	*BLA*	†	‡	*102*	*Chicago*
Roberts, Elmer	*Agr*	†	‡	*66*	*Champaign*
Roberts, Erma Dorothy	*HSAgr*	†	‡	*30*	*Chicago*
Roberts, Francis Newell	*LA*	†		*54*	*Bloomington*
Roberts, Harry Edward	*ME*		‡		*New Boston*
Roberts, Harry Vivian	*AE*		‡	*104*	*Morning Sun, Ia.*
Roberts, Howard Daniel	*L*		‡		*Peoria*
Roberts, Irwin Levi	*SS*	†		*9*	*Springfield*
Roberts, Lois Madeline	*SS*	†		*94 1-6*	*Decatur*
Roberts, Nellie Read	*LA(S11)*	†	‡	*82*	*Champaign*
Robertson, Eva Love	*LA*	†	‡	*67*	*Morrison*
Robertson, Louis Harry	*CE*	†		*55*	*Blue Island*
Robertson, Nellie Mabel, A.B. *(Moore's Hill Coll.)* 1900	*Lb*		‡	*34*	*Deputy, Ind.*
Robinson, Anna Belle	*LA*	†	‡	*112*	*Granville*
Robinson, Dorothy Marie	*Mus sp*		‡		*Atwood*

Robinson, Florence Elinor	*LA*	†	‡	*92½*	*Urbana*
Robinson, Glenn Warren	*Agr*	†		*33½*	*Lincoln*
Robinson, Grace May	*LA(S11)*	†	‡	*97*	*Gilman*
Robinson, Henry Duncan	*BLA*		‡		*Rockford*
Robinson, Paul Thomas	*Agr*	†	‡	*99½*	*Springfield*
Robinson, Ralph Paul	*EE*	†			*Danville*
Robinson, Robert Johnson	*LA*	†		*20*	*Gilman*
Robinson, Thomas Leo	*ME*	†	‡	*119½*	*Streator*
Robison, Emily, A.B. *(Temp. Univ.)*	*Lb*	†	‡	*27*	*Bloomsburg, Pa.*
Robison, James Smith	*Agr*	†		*14½*	*Pekin*
Robrock, Lawrence Martin	*ChE*		‡		*St. Louis, Mo.*
Robson, Henry Stuart	*Agr*	†		*15*	*Wataga*
Rockwell, Sylvester Thomas	*CE*		‡		*Davenport, Ia.*
Rockwood, Roscoe	*BLA*	†		*37*	*Gibson City*
Rodemeyer, Benjamin Eusebius	*ME(S11)*	†	‡	*37*	*Sterling*
Rodgers, Charles Henry	*Md*		‡	*23*	*Brownsville*
Rodman, Mabel Florence	*SS*		‡		*DeLand*
Roe, Fred Carleton	*Agr*	†		*31*	*Quincy*
Roe, Harry Austin	*ME*		‡		*Quincy*
Roe, Rosanna Elizabeth	*SS*		‡	*6*	*Peoria*
Roefer, Charles Martin	*Cer*	†	‡	*31*	*Elgin*
Rogers, Anna Sophie	*LA*	†		*136*	*Bushnell*
Rogers, Charles Gregory	*ME*		‡		*Crystal F'ls,Mich*
Rogers, Clarence Alvin	*Agr*	†		*85½*	*Wyoming*
Rogers, Dick Oglesby	*Agr(S10)*	†	‡	*46*	*Hume*
Rogers, Harry Barrett	*CE*		‡		*Oak Park*
Rogers, John Dexter, Jr	*LA*		‡		*Clinton*
Rogers, William Turner	*SS*	†		*102½*	*Hume*
Rohlfing, Albert Robert	*BLA*	†	‡	*35*	*Groveland*
Rohrbach, Eva Isabelle	*HSAgr*	†		*7*	*Urbana*
Rohrbach, Marietta	*HSLA*	†		*15*	*Urbana*
Rohrbough, Frank Charles	*CE*	†	‡	*75*	*Kinmundy*
Rohrer, Carl James	*Agr*	†		*131½*	*Canton*
Rohrer, Frank Philip	*ChE*		‡		*Gilman*
Roland, Vern Anton	*AE*	†	‡	*37*	*Champaign*
Rolfe, Amy Lucile, A.B., 1908	*Mus*		‡		*Champaign*
Rollo, Robert Penman	*L*	†	‡	*47*	*Murphysboro*
Roman, Frank Louis	*ChE*	†		*162*	*Arcadia, Mo.*
Roman, Oscar	*Agr*	†	‡	*33½*	*Granite City*
Roman, Walter	*BLA*	†	‡	*101*	*Granite City*
Romig, Frank G	*SS*	†		*146*	*Coffeyville, Kan*
Romine, Joseph Fred	*Agr*		‡		*Atwood*
Ronan, Lloyd Ellsworth	*CE(S11)*	†	‡	*54*	*DeKalb*
Rondthaler, Harold	*BLA*	†	‡	*28*	*Anderson, Ind.*
Root, Kimball Valentine	*Cer*	†	‡	*23*	*Kenilworth*
Root, Perrin Bailey	*Agr*	†	‡	*36½*	*Chicago*
Rooth, Carrie Lee	*LA(S11)*		‡	*45½*	*Joy*
Ropiequet, Wilfred Crouch	*LA*	†	‡	*37*	*Belleville*
Ropp, Pearl Iola	*LA(S10)*	†	‡	*91*	*Carlock*
Rosado, Franco Thomas	*SS*		‡	*5½*	*Pontevedra, P. I.*
Rose, Harold Boone	*ME*		‡		*Winchester*
Rosencrans, Fred Barnum	*CE*	†		*142*	*Waukegan*
Rosenkrans, Carl	*Agr sp*		‡		*Pawpaw*
Rosenthal, Harry	*BLA*		‡		*Chicago*
Ross, Charles Kelso	*Agr*	†		*53*	*Newton*
Ross, Clarence Samuel	*CE(S10)*	†	‡	*79*	*Independ'ce, Kan.*
Ross, Glenn Thompson	*BLA*	†	‡	*52*	*Urbana*
Ross, Lois Evelyn	*LA*		‡		*Saunemin*
Ross, Roy Meneley	*BLA*	†	‡	*49*	*Urbana*

Ross, Russell	Agr	†	‡		Ivesdale
Ross, Thomas Allen	Agr		‡		Chicago
Rossback, Ernest Jerome	MnE	†	‡	125	Chicago
Rosset, Abraham	CE	†		65	Chicago
Rosset, Samuel	EE	†	‡	54	Chicago
Roth, Edward Henry	RCE		‡		Ste.Genev've,Mo.
Rothgeb, Jessie Blanche	HSLA	†	‡	32	Wellington
Rottger, Russell Curtis	BLA	†	‡	67	Springfield
Rowe, Eugene Chauncey	EE	†	‡	71	Chicago
Rowe, Enos Marion	LA	†	‡	33	Sidell
Rowen, Marjorie Mary	LA	†		17	Genoa
Rowland, Claude Kerlin	L	†		81	Martinsville
Roy, Herman Emil	A		‡		Chicago
Roy, Surya Kauta	Agr		‡		Lucknow, India
Royal, Lester Harris	BLA	†		25	Mt. Vernon
Royce, Grace Edna	HSAgr	†			Naperville
Royer, Florence A	LA	†	‡	44	Chicago
Royer, Helen Ada	Mus sp		‡		Chicago
Ruby, George Benjamin	ChE		‡		Yorkville
Ruby, Irving Randolph	ChE	†	‡	75	Yorkville
Ruckel, John Garland	Agr		‡	24	Springfield
Rucker, Herbert Judson	Agr		‡		Jacksonville
Rue, Orlie	ME		‡		Mattoon
Ruehe, Harrison August	Agr	†		138½	Waukegan
Rugg, Earle Underwood	LA		‡		Fitchburg, Mass.
Rukin, Max	BLA		‡		Brooklyn, N. Y.
Rumery, Fay A	Agr	†	‡	85	Oregon
Rundles, Charles Morton	LA	†		25	Huntertown, Ind.
Rundles, Earle	CE	†	‡	91	Huntertown, Ind.
Rundles, John Clinton	Agr	†		132½	Huntertown, Ind.
Rundles, Loyd William	EE	†	‡	21	Huntertown, Ind.
Rundquist, John Martin	CE	†	‡	49	Moline
Runk, Oliver	ME	†		85	Sterling
Runkel, Homer	ChE(S-10)	†		142½	Urbana
Rush, Francis Edward	EE		‡		Galesburg
Rush, Ira Leon	A		‡		Minot, N. D.
Rush, Roy Leslie	LA		‡		Metropolis
Rusher, Floyd Elza	Agr	†	‡	105½	Sullivan, Ind.
Rusk, Mrs. Edith Hartley	Mus sp		‡		Urbana
Ruskamp, William Henry	CE	†		142	Quincy
Russell, Carleton Amos	MSE	†	‡	24	Joliet
Russell, John Tyndall	AE	†		142	Denver, Colo.
Russell, Lewis Melvin	BLA	†	‡	113	Pana
Russell, William Emmet	BLA(S10)	†		130	Decatur
Rust, Grace Ann	S	†	‡	94	Brownstown, Ind.
Rutenber, Frances Marie	HSLA		‡		Champaign
Ruth, Thomas Lenor	LA		‡		Morrison
Ruth, Rowland William	ME		‡		Aurora
Rutherford, Eugenia Elizabeth	LA	†	‡	30	Newman
Rutherford, Wesley Earl	Agr	†		4½	Girard
Rutledge, William Askins	CerE	†	‡	114	Evanston
Ryan, Francis Richard	EE(S11)	†	‡	28½	Chicago
Ryan, Leo Kirk	Md	†	‡	27	Chicago
Ryder, Olive Maria	LA	†		55	Sandwich
Ryther, Henry White	ME(S10)	†	‡	68	Chicago
Sabin, Donald Verne	L	†		3	Champaign
Sackett, Josephine Thomson	Lb		‡		Providence, R. I.
Sackrider, Charles Norman	ME	†	‡	37	Ishpeming, Mich.
Sackrison, Julius Alvin	Agr sp		‡		Batavia, Ill.
Sadler, Walter Clifford	RCE	†	‡	82	Elgin

Sager, Anna Ellen	*HSS*		‡		*Belvidere, Ill.*
St. Lawrence, James	*Agr*		‡		*Chicago*
Salazar, Jose Urbano	*Agr sp*		‡		*Chihuahua, Mex.*
Salisbury, Earl Miller	*LA*		‡		*Niles, Mich.*
Salisbury, Ethel Imogene	*LA(S10)*	†	‡	*68*	*Woodstock*
Sampson, Inez Estella	*HSS*		‡		*Washington*
Sampson, Lloyd Carson	*LA*	†	‡	*28*	*Washington*
Samter, Miriam Lucille	*HSAgr*		‡	*28*	*Chicago*
Samuels, Thomas Walter	*L*		‡		*Urbana*
Samuelson, Raphael Adelford	*EE*		‡		*Elgin*
Sandall, Ernest Eugene	*Agr*		‡	*66*	*Burlington*
Sandberg, Reuben Lawrence	*CE*		‡	*105*	*Chicago*
Sanders, George Edward	*S*		‡		*Champaign*
Sanders, Laura Marie	*HSS(S10)*	†	‡	*70*	*Champaign*
Sanders, Ralph Lloyd	*CE*	†	‡	*31*	*Glasford*
Sandidge, Clyde Riley	*SS*	†		*2 5-6*	*Freeburg*
Sandmeyer, John Henry, Jr	*Agr sp*		‡		*Chenoa*
Sandstedt, Emil Fernando	*LA*		‡		*Paxton*
Sangdahl, George Stanley	*CE*	†	‡	*81*	*Chicago*
Saperston, Q Nathan	*EE*	†	‡	*37*	*St. Charles*
Sargeant, Southworth Samuel	*L*	†	‡	*47*	*Geneva*
Satterfield, Raymond Pool	*CE*	†	‡	*108*	*Mt. Vernon*
Saunders, Clara	*Agr(S11)*	†		*6*	*Chatham*
Saunders, Harry Ogden	*EE*	†	‡	*111*	*Springfield*
Savage, Arthur Dale	*Agr*	†	‡	*49½*	*Champaign*
Savage, Clifford Martin	*AE*		‡		*Anderson, Ind.*
Savage, Lillian Waters	*LA*	†	‡	*50*	*Belleville*
Savage, Marie	*LA*		‡		*Urbana*
Savage, Ralph Nash	*ME*		‡		*Urbana*
Savage, Thomas Edwin	*SS*	†		*2*	*Alexis*
Sawada, Nmetaro	*CE*	†		*97*	*Otaru, Japan*
Sawyer, George Pillsbury	*EE(S10)*	†		*141½*	*Monmouth*
Sawyer, Margaret	*HSAgr*	†	‡	*27*	*Norborne, Mo.*
Saxton, Katherine	*HSAgr*	†	‡	*30*	*Pueblo, Colo.*
Sayre, Charles Bovett	*Agr*	†	‡	*79*	*Chicago*
Scales, Walter Howard	*AE*	†	‡	*37*	*Ft. Worth, Tex.*
Scanlan, Jack Addison	*CE*	†	‡	*144*	*Chicago*
Scates, Paul William	*EE*	†	‡	*29*	*Chicago*
Schaarman, Emil Ferdinand	*LA sp*		‡		*Edgington, Ill.*
Schadt, Mabel Eva	*HSS*		‡		*Leesburg, Ind.*
Schafer, Charles Henry	*L*	†	‡	*22*	*Mt. Carmel*
Schaffer, Otto George	*Agr*	†		*61½*	*Lake Forest*
Schalck, Edward Michael	*S*		‡	*33*	*Chicago*
Schaller, Emma Eugenia	*HSLA*	†	‡	*33*	*Mendota*
Schaller, Robert Herman	*Ch*	†		*66*	*Mendota*
Schance, Theodore James	*ME*	†	‡	*108*	*Cherry Point*
Schap, Thomas Henry	*EE*		‡		*Stockton*
Schaulin, George Marvin	*S*		‡		*Mazon*
Scheele, Donald Charles	*ME*		‡		*Elgin*
Scheeler, Cecil Gordon	*Agr*		‡		*Sparland*
Scheffer, Maxie Adam	*Agr*	†		*16*	*Atwood*
Scheid, Jacob Philip	*LA(S11)*		‡	*7½*	*Freeburg*
Scheidecker, Glenn W Smiley	*BLA*	†	‡	*51*	*Sycamore*
Schell, Edward John	*CE*	†		*141*	*Keokuk, Ia.*
Schenck, Chester	*EE(S11)*	†	‡	*120*	*LeRoy, Kan.*
Schenck, Ralph Edwin	*A*		‡		*Urbana*
Scherer, Harry T	*SS*		‡	*7½*	*Raymond*
Schetnitz, Hymen	*LA*		‡		*Chicago*
Schickedanz, Simon Aaron	*ME*	†		*132*	*Chenoa*
Schiesswohl, Philip George	*BLA*		‡		*Chicago*

Schiffbauer, Gretchen	*HSAgr sp*		‡		*Benson*
Schill, Gertrude Bender	*LA*	†		*142*	*Chicago*
Schlaback, Barbara	*LA*		‡		*Oklahoma C., Ok.*
Schlink, Frederick John	*ME*	†	‡	*110*	*Peoria*
Schlotman, Robert Louis	*CE*	†	‡	*26*	*Sheldon*
Schlorff, Laura Beatrice	*Agr sp*		‡		*Cameron, Mo.*
Schmidt, Lorentz	*A(S10)*	†	‡	*91½*	*Clyde, Kan.*
Schmillen, Theodore Sylvester	*LA*	†		*2*	*Chicago*
Schmitz, Erwin Anthony	*CE*	†	‡	*92*	*St. Louis, Mo.*
Schmitz, Nicolas Joseph	*EE*		‡		*Madison, Wis.*
Schneider, Daniel Charles	*ME*	†	‡	*30*	*Nokomis*
*Schneider, Julian Mortimer	*AE*	†	‡	*71½*	*Chattan'ga, Tenn.*
Schnellbach, John Francis	*MSE(S10)*	†	‡	*75*	*Dixon*
Schnoor, Herman William	*A*	†		*118*	*Dolton*
Schobinger, Eugene	*ME*		‡		*Morgan Pk., Ill.*
Schoch, William George	*CE*	†		*142*	*Tower Hill*
Schoepperle, Richard Joseph	*Ch*		‡		*Hamburg, N. Y.*
Schoessel, Carl Arthur	*ME*	†	‡	*76*	*Rock Island*
Schofield, Chester Lee	*Agr*	†		*30*	*Jacksonville*
Scholl, Clarence	*ChE*	†	‡	*72*	*Watseka*
Scholnitzky, Isidore Morris	*CE*	†		*140½*	*Odessa, Russia*
Scholz, Alexander Louis	*CE*	†	‡	*117*	*Chicago*
Schoolcraft, Plascie Lafayette	*LA(S11)*	†	‡	*57*	*Chester*
Schoonhaven, Ray Covey	*AE*		‡		*Elgin*
Schott, William Paul	*Agr*	†			*Union Hill*
Schrader, William L	*S sp*		‡		*Chicago*
Schrier, Emil Paul	*AE*	†	‡	*48*	*Verdigris, Neb.*
Schroeder, Frank Henry	*Agr*	†			*Brighton*
Schroeder, George Fell	*Agr*	†		*44½*	*Champaign*
Schroeder, Glenn Wilson	*Agr*	†	‡	*32½*	*Joliet*
Schroeder, John Henry	*EE(S10-11)*	†		*45*	*Belleville*
Schroeder, Maurine Myrtle	*Mus(S10)*	†		*33½*	*Champaign*
Schroeder, Theodore Wm S	*Agr*	†			*Chicago*
Schucker, Rudolph Wester	*A*	†	‡	*51*	*Mt. Carmel*
Schueler, Julian Louis	*S(S10)*	†			*Peoria*
Schuh, Harry William	*Agr*		‡		*Cairo*
Schundner, Leo Vincent	*EE*	†	‡	*111*	*Savanna*
Schurecht, Harry George	*Cer*	†	‡	*37*	*Chicago*
Schutte, Tenjes Henry	*LA(S10)*		‡	*9*	*Lenzburg*
Schuyler, Andrew L, Jr	*EE(S11)*	†	‡	*29*	*Clinton, Ia.*
Schwartz, Lloyd	*CE*	†		*141*	*Golden*
Schwabacher, Herbert Joel	*ME*	†	‡		*Peoria*
Schwane, Arthur William	*AE*		‡		*Detroit, Mich.*
Schwartz, Otto Julius	*Agr(S11)*	†	‡	*84½*	*Maywood*
Schwartz, William Morris	*L*	†		*20*	*Pittsburgh, Pa.*
Schwartze, Erich Wilhelm	*Md*	†		*116*	*Cairo*
Schwarz, Rudolph William	*EE*		‡		*Loda*
Schwarzkopf, Horace Valentine	*Agr*		‡		*Chicago*
Schweppe, Henry Nelson	*Cer*	†		*28½*	*Alton*
Schwerdtfeger, William Koehule	*Agr sp*		‡		*Lincoln*
Schwing, Edward Albert	*Agr*		‡		*Peoria*
Scoggin, Ruby	*LA*	†		*15*	*Alton*
Scott, Ernest Somers	*EE*	†	‡	*54*	*Oak Park*
Scott, Frances Marie	*LA*	†		*130*	*Jacksonville*
Scott, Lulu Loraine	*HSAgr*		‡		*Pinedale, Ariz.*
Scott, Lucian W	*LA*	†		*144½*	*Bement*
Scott, Ralph Cleland	*LA*	†	‡	*107*	*Berwyn*
Scott, Robert Ashmore	*EE*	†			*Paris*

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* Deceased.

Scoville, Rollin Clyde	*A*	†	‡	*54*	*Salt Lake C.,Utah*
Seaman, Grace E	*LA*		‡		*Jefferson, Ia.*
Searing, John Henry	*LA*		‡		*Carbondale*
Searle, Carl Carpenter	*ME*		‡		*Topeka, Kan.*
Searle, Frank Forkner	*BLA*	†	‡	*13*	*Anderson, Ind.*
Searle, John Clinton	*LA&L*	†		*29*	*Geneseo*
Sears, George Guy	*CE*	†	‡	*26*	*Chicago*
Sears, Ogal Hesse	*Agr*	†	‡	*46½*	*Oblong*
Secor, Edmund Clay	*Agr*	†	‡	*38½*	*Carrollton*
Sedgwick, Ralph Foster	*Md*		‡		*Melrose Park*
Seed, Oscar Vern	*LA*	†	‡	*28*	*Lawrenceville*
Seeley, Fonda Frances	*LA*	†		*16*	*Morrison*
Seese, Robert St. Clare	*EE(S11)*	†	‡	*113½*	*Petersburg*
Seib, Eugene Charles	*EE(S10)*	†		*144*	*Belleville*
Seidel, George Clark	*ME sp*		‡		*Moline*
Seidenburg, Nathan Cook	*L(LA10-11)*	†	‡	*66*	*Peoria*
Seidensticker, Oswald Geo S	*AE*	†		*57*	*Chicago*
Seifried, John Francis	*CE*	†	‡	*108*	*Maywood*
Seiler, George William	*S*	†	‡	*89½*	*Woodstock*
Seiler, Otto Erwin	*LA*	†	‡	*103*	*Woodstock*
Seip, Ernest Walter Joseph	*ME*	†	‡	*57*	*Chicago*
Seise, Kathryn Marie	*Mus*		‡		*Lena*
Sekine, Sentaro	*ME*	†	‡	*100½*	*Saitamaken, Japan*
Sellards, John Armstrong	*LA*	†	‡	*126*	*Champaign*
Sellards, William Heine	*Agr*	†	‡		*Champaign*
Sellers, Homer Laymen	*ME*	†			*Greencastle, Ind.*
Sells, Simeon Wells Johnson	*ME*		‡		*LaGrange*
Seltzer, Andrew Jackson	*SS*	†			*Denver, Colo.*
Sendenburgh, Edith Irene	*LA(S11)*	†	‡	*66*	*Champaign*
Senneff, George Freeman	*Agr*		‡		*Rock Falls*
Senneff, George Philip	*Agr sp*		‡		*Chicago*
Sense, Mattie Alice	*HSAgr*		‡		*Watseka*
Sense, William J	*AE(S11)*			*46½*	*Watseka*
Sercombe, Rupert John	*RCE*	†		*142*	*Elgin*
Sesler, Philip Ray	*L*	†		*85*	*Pontiac*
Severinghaus, Milton Geo H	*BLA*	†	‡	*65½*	*Chicago*
Settle, Joe Thomas, Jr	*LA*		‡		*Memphis, Tenn.*
Severson, Gilbert Sims	*Agr*	†	‡	*26½*	*Chicago*
Sewall, Harry Baird	*Agr*	†	‡	*20*	*Champaign*
Sewell, Sidney Isaac	*CerE*	†	‡	*68*	*Belvidere*
Seyster, Ernest Lawerence W	*LA*		‡		*Kempton*
Seyster, Mildred Clayton	*S*	†	‡	*97*	*Kempton*
Shaffer, Charles Franklin	*EE*		‡		*Quincy*
Shambo, Guy Peter	*EE*	†	‡	*33*	*Aurora*
Shank, Herschel Vespasian	*SS*	†			*Champaign*
Shapiro, Isidore Max	*BLA*	†	‡	*96*	*Chicago*
Shapland, Cecil James	*CE*	†	‡	*110½*	*Saunemin*
Shapland, Earl Page	*ME*	†	‡	*70*	*Saunemin*
Sharp, Arthur Ray	*A*	†		*28*	*Indianapolis, Ind.*
Sharp, Bertha Lee	*Lb(S10)*	†		*134⅔*	*Urbana*
Shaw, Benjamin Bruce	*CRE*	†		*145½*	*Canton*
Shaw, Ellis Marsh	*Agr*	†	‡	*30*	*Rockford*
Shaw, Otto	*SS*	†		*5½*	*Lewistown*
Shawl, Ray Iris	*ME*		‡		*Princeton*
Shay, Quinnie Mae	*SS*	†		*2*	*Pontiac*
Sheardown, Rex Winton	*AE*		‡	*28*	*Chicago*
Sheay, John Patrick	*Agr*	†	‡	*100*	*Bement*
Sheets, Frank Thomas	*CE*	†		*75*	*Springfield*
Sheldon, Henry Kellogg	*EE*		‡		*Sharpsburg*
Sheldon, Warren Maxwell	*Agr*	†	‡	*34½*	*Sharpsburg*

Shellabarger, David Stuart	*EE*	†	‡	*6*	*Decatur*
Shelton, Wilma Loy	*LA*	†	‡	*57*	*Terre Haute, Ind.*
Shen, Wen Yu	*ChE(S10)*	†		*51*	*Shangtung, China*
Shepard, Anna Lucile, A.B. *(Univ. Iowa)* 1910	*Mus*	†	‡		*Muscatine, Ia.*
Shepard, Karl Joseph	*Agr*	†		*88½*	*La Fox*
Shepperd, James Douglas	*EE*	†	‡	*67*	*Peoria*
Sherman, Carl Lee	*CE*		‡		*Sandoval*
Sherrill, Lewis Bronson	*Agr*	†		*18*	*Minooka*
Shewade, Vinayak Yeshawant	*ChE(S10)*	†	‡	*87½*	*Indore, India*
Shewhart, Walter Andrew	*S*	†	‡	*71*	*New Canton*
Shields, Dominic Harold	*CE(S11)*	†	‡	*84*	*Harvard*
Shields, Eugene Clifton	*SS*		‡	*7½*	*Mazon*
Shields, Harold Johnson	*ME*		‡		*Sullivan, Ind.*
Shields, John P	*AE*		‡		*Washington, Ia.*
Shinker, Rose Lanners	*HSLA(S10)*	†	‡	*13*	*Champaign*
Shinn, Elmer Barkaton	*EE*	†		*72*	*Mattoon*
Shinn, Florence	*HSAgr*	†		*98*	*Mattoon*
Shipley, Ernest Richard	*Agr*	†			*Petersburg*
Shippy, Claire Zook	*Agr*		‡		*Davis*
Shirk, William Andrew	*LA*		‡	*106½*	*Ronan, Mont.*
Shively, Jean	*HSLA*		‡		*Champaign*
Shively, Walter Scott	*ME*		‡		*Chicago*
Shobe, Frank Dilling	*L*	†	‡	*44*	*Urbana*
Shoemaker, Fred Glen	*EE*	†		*89*	*Abingdon*
Shoesmith, Harold James	*EE*	†			*Lena*
Shoger, Oscar August	*Agr*	†	‡	*34½*	*Oswego*
Shomaker, Samuel Jasper	*SS*	†		*4 5-6*	*Murphysboro*
Shonkwiler, Horace Avery	*Agr*	†		*33*	*Monticello*
Shonle, Horace Abbot	*Ch*		‡		*Tuscola*
Shonts, Turrill Dean	*LA*		‡		*South Bend, Ind.*
Shook, Charles Harmon	*AE sp*	†		*26*	*Carter, Ark.*
Shotwell, Ida Mae	*HSS*	†	‡	*43⅓*	*Evanston*
Shrader, Justin Winfred	*LA(S10)*	†		*131 1-6*	*Mattoon*
Shreffler, Franc Ella	*HSAgr*	†		*61*	*Kankakee*
Shu, Seng Kah	*SS*		‡	*67½*	*Kwei-yan, China*
Shuck, Fred Vinton	*L*	†		*15*	*Urbana*
Shuck, Henrietta Marie	*LA*	†		*3*	*Monticello*
Shuck, Roy Wesley	*Agr sp*	†		*16*	*Monticello*
Shuhara, Hiroo	*S*	†			*Kagoshima, Japan*
Shultz, Clarence Meshech	*Agr sp*	†	‡	*12½*	*Shipman*
Schultz, Hazel Margurite	*HSAgr*		‡		*Lena*
Shum, Nim Chi	*SS*		‡	*7*	*Madison, Wis.*
Shupe, Lester Clyde	*Agr sp*	†		*45*	*Paloma*
Shutts, Marjorie Pauline	*LA*	†		*71*	*Joliet*
Si, I Hsiuan	*LA*		‡		*Chefoo, China*
Siebens, Arthur Robert	*Agr*		‡		*Minonk, Ill.*
Sieberns, Lynn Callsen	*L*	†	‡	*61*	*Gridley*
Siegfried, Edward Olaf	*ME*		‡		*Chicago*
Siemen, Bertha Anna	*LA*	†	‡	*49*	*Stockton*
Siemens, Webb Melvin	*AE*		‡		*St. Joseph, Mo.*
Sievert, Carl William John	*ChE*	†	‡	*72*	*Blue Island*
Sigerson, Wilfred Carl	*BLA*	†	‡	*32*	*Mason City*
Sigley, Estella May	*SS*	†		*40½*	*Havana*
Signor, Nellie Marie	*LA*	†	‡	*123*	*Urbana*
Sikking, Chester Buell	*Agr*	†	‡	*13½*	*Springfield*
Silkman, John Meade	*CE*		‡		*Baltimore, Md.*
Silloway, Perley Milton	*SS*	†			*Virden*
Simmons, Arthur Melville	*Agr*		‡		*Stockton*
Simmons, John William, Jr	*CE*	†	‡	*108*	*Keithsburg*

Simms, William Henry, Jr	*Agr*		‡		*Gibson City, Ill.*
Simon, Walter Henry	*AE*		‡		*Quincy*
Simonich, John Lawrence	*EE*	†	‡	*31*	*Joliet*
Simonini, Paul Charles	*ME*	†		*155*	*Chicago*
Simons, Alexander McDougall	*EE*	†	‡	*115*	*Chicago*
Simons, Charles Leroy	*Agr*	†	‡	*117½*	*Kentland, Ind.*
Simons, George Augustine	*BLA*	†	‡	*97½*	*Chaska, Minn.*
Simons, Raymond Samuel	*EE*	†	‡	*50*	*Chicago*
Simonson, Guy Loraine	*S*		‡		*Downers Grove*
Simpson, Arthur Moulton	*ME*	†	‡	*80*	*Morgan Park*
Simpson, Arthur Roy	*Agr*		‡		*Pisgah, Ia.*
Simpson, Colin Campbell	*S*	†	‡	*84*	*Denver, Colo.*
Simpson, George Eric	*Ch*	†	‡	*69*	*Chicago*
Simpson, Francis Marion, B.S., 1909	*Ch*	†	‡		*Vienna*
Simpson, Lucian McCord	*BLA*	†	‡	*29*	*Vincennes, Ind.*
Sims, Clarence Edgar	*S*		‡		*Chicago*
Sims, Jules Verne	*LA(S11)*		‡	*42*	*Indianapolis, Ind.*
Sinclair, Cecil Raymond	*Agr*	†		*39*	*Prentice*
Sinclair, Clara	*LA(S11)*	†	‡	*95½*	*Ashland*
Sinha, Satayasaran	*Agr(S10)*	†		*109*	*Calcutta, India*
Sink, Orville Ernest	*SS*		‡	*2½*	*Charlestown, Ind.*
Sircar, Brahma Behary	*EE*	†	‡	*59*	*Calcutta, India*
Sisam, Mrs. Cora Hutton	*LA*	†	‡	*108½*	*Urbana*
Sizer, Albert Dann	*Agr*		‡		*Champaign*
Skadden, Harvey Frank	*A*	†	‡	*24*	*Danville*
Skarstedt, Marcus	*Lb*	†		*42*	*Rock Island*
Skemp, Samuel	*Agr*	†	‡	*33½*	*Maywood*
Skidmore, Mark, A.M., 1909	*SS*	†			*Springfield, Mo.*
Skiles, Frank Chambers	*ME(S10)*	†		*62½*	*Chicago*
Skiles, Ida Viola	*SS*		‡	*5*	*Mendota*
Skiles, James Roy	*SS*	†	‡	*115*	*Capron*
Skinner, Edward Ainsworth	*Agr*		‡		*Oak Park*
Skinner, John Knox	*S(S10-11)*	†		*103⅔*	*Iuka*
Skoglund, Carl August	*ME*	†	‡	*72*	*Ishpeming, Mich.*
Slack, Herbert Lee	*CE*		‡		*Chicago*
Sladek, Victor Robert	*AE*	†	‡	*122*	*Chicago*
Slaght, Fred D	*AE*	†		*42*	*White City, Kan.*
Slaney, Robert William	*ME*		‡		*Chicago*
Slater, Frank Charles	*LA*	†	‡	*35*	*Cherry Valley*
Slater, Maynard Elmer	*Agr*		‡		*Belvidere*
Slaughter, William Bristol	*ME*	†		*156½*	*Berea, O.*
Sloan, William Finley	*SS*		‡	*56½*	*Belfast, Ireland*
Slonneger, John Charles, Jr	*ME*	†	‡	*67*	*Washington*
Slonneger, Willis Daniel	*LA*	†	‡	*94*	*Washington*
Slosson, Robert Lyon	*CE*	†	‡	*142*	*Park Ridge*
Smart, Leslie Elisha	*Agr sp*	†			*Hinsdale*
Smart, Robert Leroy	*CE*	†		*37*	*Davenport, Ia.*
Smejkal, Frank John	*Agr*	†	‡	*63½*	*Chicago*
Smiley, Alfred James	*CE*	†	‡	*50*	*Sparta*
Smith, Alfred Dale	*EE(S11)*	†	‡	*75*	*Champaign*
Smith, Adeline Mildred	*Mus(S10-11)*		‡	*6½*	*Urbana*
Smith, Mrs. Adelle Catherine	*Mus*	†	‡		*Moorpark, Cal.*
Smith, Anna Margaret, A.B. *(U. Minnesota)* 1908	*Lb*	†		*16*	*Minneap's, Minn.*
Smith, Bertram	*Lb*		‡		*Urbana*
Smith, Blance Margaret	*HSAgr(S11)*	†	‡	*24*	*Urbana*
Smith, Cecil Weldon	*MnE*	†	‡	*78*	*Clifton*
Smith, Charles Cullem, Jr	*Agr*	†		*52*	*Chicago*
Smith, Charles Harry	*EE*	†			*Tekamah, Neb.*
Smith, Clarence Erwin	*MSE sp*	†			*Fremont, Ia.*

Smith, Cloyd Clayton	*EE*	†	‡	*93*	*Mt. Carroll*
Smith, Donald Jenks	*EE*	†		*74*	*Chicago*
Smith, Dwight Leod	*EE*	†		*141*	*Freeport*
Smith, Elizabeth Morrel	*Mus*		‡		*Little Rock, Ark.*
Smith, Elsie Webb	*S*	†		*7½*	*Benton*
Smith, Florence Mildred	*HSAgr*	†	‡	*21*	*Oak Park*
Smith, Forrest H	*Agr*	†	‡	*36½*	*Kansas*
Smith, Frank Donald	*ME*	†	‡	*37*	*Peoria*
Smith, Gertrude Cave	*HSAgr(S10)*	†		*132*	*Evanston*
Smith, George William	*Agr sp*		‡		*Golden*
Smith, Gladys May	*LA*	†	‡	*33*	*Champaign*
Smith, Glenn Calvin	*S*	†		*61⅓*	*Cuba*
Smith, Groves Blake	*Md*	†	‡	*32*	*Godfrey*
Smith, Granville Moody, Jr	*LA*	†		*30*	*Kansas City, Mo.*
Smith, Grover D	*S*	†			*Sullivan*
Smith, Harold Gilman	*REE*	†		*23*	*Monmouth*
Smith, Hazel	*HSAgr*	†	‡	*23*	*Urbana*
Smith, Herbert Cushing	*EE*		‡	*68*	*Alton*
Smith, Homer J	*Agr*		‡		*Clinton*
Smith, Harold Seneca	*RME*		‡		*Gouvern'r, N. Y.*
Smith, Jacob P	*CE*		‡		*Rockville, Ind.*
Smith, Julian Eugene	*Agr sp*		‡		*Champaign*
Smith, Julian Francis	*SS*	†		*6*	*Urbana*
Smith, Leo Lloyd	*EE*		‡		*Loda*
Smith, Leoti Vannie	*LA*		‡		*Urbana*
Smith, Lloyd Gaston	*ME*		‡	*75*	*Chicago*
Smith, Lyle Haven	*L(Agr10-11)*	†	‡	*27*	*Rock Island*
Smith, Lynn Clarence	*A*	†		*37½*	*Springfield*
Smith, Mark Eugene	*LA(S10)*	†		*7*	*Anchor*
Smith, Milton David	*L*	†		*8*	*Chicago*
Smith, Myrle Edwin	*AE(S11)*	†		*58½*	*Clinton*
Smith, Paul Ardell	*ME*	†		*147*	*Plainfield*
Smith, Paul Miller	*Agr(S10-11)*	†	‡	*96½*	*Lincoln*
Smith, Raymond Stratton	*Agr*	†	‡	*134*	*Moorpark, Cal.*
Smith, Reuel Lhamon	*ME*	†	‡	*18*	*Urbana*
Smith, Robert, Jr	*ME*	†	‡	*94*	*Chicago*
Smith, Rose	*S (S10)*	†		*133½*	*Gibson City*
Smith, Royal Lee	*Cer*		‡		*Detroit, Mich.*
Smith, Russell George	*ME*	†		*72*	*Oak Park*
Smith, Stanley Christopher	*S*	†	‡	*26*	*Clayton*
Smith, Stewart Tracey	*AE*		‡		*Rose Hill*
Smith, Volney Potter	*Agr sp*	†		*68½*	*Yorkville*
Smith, Warren Francis	*ME*		‡		*Beardstown*
Smith, Wilbur Harrison	*Agr*		‡		*Sandwich*
Smith, Wilhemina Zoe	*LA*		‡		*Urbana*
Smith, William Carroll	*Agr*	†		*51⅓*	*Rankin*
Smithson, Albert Thornton	*A*	†	‡	*30*	*Lacon*
Smittkamp, John Oscar	*Cer*	†		*5*	*Paris*
Smoot, Elizabeth Ellice	*Mus*	†	‡	*3*	*Fithian*
Snapp, Roscoe R	*Agr*		‡		*Findlay*
Snider, Brainerd Clinton	*BLA*	†		*17*	*Kansas*
Snider, Howard John	*Agr*	†	‡	*56½*	*N. Richmond, O.*
Snoddy, Raymond Leffel	*LA*		‡		*Perrysville, Ind.*
Snodgrass, William, A.B. *(Butler Coll.)* 1892	*LA*	†		*134 1-6*	*Champaign*
Snook, Clayton Morris	*Agr sp*		‡		*LeRoy*
Snook, Ethel Mary	*Agr sp*		‡		*Ottawa*
Snook, John Donald	*ChE*		‡		*Sidney*
Snook, Vera Jessie	*LA(S10)*	†		*142 1-6*	*Ottawa*
Snow, Charles Howard	*Agr*	†		*154*	*Bloomington*

Snow, Edgar	*Agr sp*	†		*3½*	*Sugar Grove*
Snow, Wilbur Talmadge	*CE*		‡		*Batavia*
Snowden, Ivan T	*Agr*	†	‡	*8½*	*Mattoon*
Snyder, Alden Eugene	*Agr*	†	‡	*101*	*Kankakee*
Snyder, Leslie	*Agr sp*	†		*11½*	*Galesburg*
Snyder, Logan Abraham	*Agr*	†	‡	*26*	*Kankakee*
Soderberg, Andrew Frederick	*AE*	†	‡	*84½*	*Florence, Wis.*
Solfisburg, Christian Harrison	*SS*	†		*78*	*Aurora*
Sorensen, Niels Chester	*AE*	†	‡	*86*	*Montice'o, Minn.*
Sosa, Hermes A	*SS*	†		*8½*	*Asuncion, Para.*
Soto, Rafael Arcangel	*ME(S10)*	†	‡	*116*	*SabanaGrde.,P.R.*
Souers, Marshall Ankeny	*Agr*	†	‡	*55½*	*Des Moines, Ia.*
Soule, Levin Cooper	*Agr*	†	‡	*31½*	*New Orleans, La.*
Spalding, Burleigh Mason	*Agr*		‡		*Fargo, N. Dak.*
Spalding, Roscoe Conkling	*AE*		‡		*Fargo, N. Dak.*
Spalding, Russell Albert	*Agr*	†	‡	*20½*	*Champaign*
Spangler, Mary Margaret	*LA*	†		*130*	*Joliet*
Sparks, Gwynne McCoy	*ME(LA10-11)*	†	‡	*27*	*Marion*
Sparks, Ray Carlisle, A.B., 1909	*L*	†		*73*	*Champaign*
Sparling, Clarence Eugene	*AE*		‡		*Osgood, Ind.*
Spaulding, Charles Herbert	*ChE(S11)*	†	‡	*103*	*Springfield*
Spear, Elsie Travilla	*HSS*		‡		*Rock Falls*
Specht, Arthur Leo	*EE(S10)*	†		*105*	*Washington*
Speck, Cyrus Q	*BLA*	†	‡	*20*	*Evansville, Ind.*
Speck, Roy Henry	*A*	†		*10*	*Evansville, Ind.*
Spence, Aubrey Dayton	*S*	†	‡	*125*	*Camp Point*
Spence, Frederick Milton	*EE*	†	‡	*40*	*Elmwood*
Spencer, Charles Blakely	*A*	†	‡	*102 5-6*	*Champaign*
Spencer, Edwin Rollin	*LA*	†		*130½*	*Rushville*
Spencer, Lawrence Edward	*BLA*	†		*17*	*Kansas City, Mo.*
Spencer, LeRoy Gilbert	*Cer*	†		*31*	*Streator*
Spencer, Mary Ethel	*LA*	†	‡	*40*	*Champaign*
Spencer, Victor Elwin	*Agr*		‡		*Lockport, Ill.*
Spengler, Lewis Wilmer	*CE*	†		*142*	*Roby*
Sperry, Maud Charity	*SS*		‡	*8*	*Potomac*
Spitler, Clarke	*BLA*	†	‡	*66*	*Sullivan*
Spitznagel, Elmer Flonan	*BLA*	†		*32*	*Peoria*
Sponsel, John Gray	*ME*	†		*142*	*Chicago*
Sponsler, John McClure	*ME(S10)*	†	‡	*110*	*Aledo*
Sporlein, Louis W	*AE(S10)*	†	‡	*27½*	*Chicago*
Sprague, Charles Albert	*Agr*		‡		*Lockport*
Sprague, Elizabeth Elsie	*HSAgr*	†	‡	*32*	*Lockport*
Sprague, Harold Greene	*AE*	†	‡	*25*	*Des Moines, Ia.*
Springe, Otto	*CerE*	†	‡	*117*	*St. Louis, Mo.*
Sprowls, Luna L	*S*	†		*72*	*Gibson City*
Staat, Fielding Bond	*Agr*		‡		*Monmouth*
Stabler, Jesse Lee	*Agr*		‡		*Neponset*
Stafford, Herbert Stanley Levin	*MnE*	†	‡	*37*	*Hubbard Woods*
Staggs, Elmer Harrison	*Agr sp*	†		*21½*	*Avon*
Stahl, Ambrose Carl	*ME(S10)*	†	‡	*109*	*Galena*
Stahl, Clark Beebe	*S*	†		*150*	*Galena*
Stahl, Myrtle Lois	*LA*	†	‡	*24*	*Augusta*
Stakel, John Peter	*ME*	†		*32*	*Menominee, Mich.*
Staley, Irene Elizabeth	*S*	†		*4⅓*	*Decatur*
Staley, Ina M	*Mus*	†			*Champaign*
Stallings, Leland Stanford	*Agr*	†	‡	*68½*	*Granite City*
Stambaugh, Fred Minton	*L sp*		‡		*Mt. Vernon*
Stamey, May	*LA*		‡		*Champaign*

Stanberry, J O	SS		‡	9	Homer
Stanley, Elmer Leon	Agr		‡		Downers Grove
Stanley, Frank John	AE	†		5	Urbana
Stanley, Garth Blunden	EE sp	†			Cincinnati, O.
Stanton, James Grover	BLA	†		35	Wenona
Stants, Bess Edna	LA		‡		Coal City, Ind.
Stapel, Amanda Emma	LA(S10-11)	†		128¾	Chicago
Stark, John Edwin	S(S11)	†		63	Urbana
Stark, Leonard Edward	AE		‡		Cedar Rapids, Ia.
Starkey, Albert Lyle	LA sp	†		30	Pesotum
Starkey, John Johnson	L	†		43½	Urbana
Starkey, Litta	Mus	†			Urbana
Starman, Rudolph August	Agr	†		46½	Quincy
Starr, Bernice Fallis	LA		‡		Decatur
Staubitz, Louis Pierce	EE(S11)	†	‡	37	Golconda
Stearns, Carl Garner	LA	†	‡	37	Rankin
Stebbins, Selden Lewis	EE	†	‡	36	Chicago
Steck, Robert Bruce	Agr		‡		Farmington
Steele, Lottie Emily	HSAgr		‡		Galesburg
Stein, Max Julian	Agr		‡		Chicago
Steinbreder, William John	S	†	‡	93½	St. Louis, Mo.
Steinfort, Elvira Bertha, A.B. (U. Wisconsin) 1908	Lb		‡		Watertown, Wis.
Steingard, Joseph Nathan	EE	†		142	Chicago
Steinmeyer, Herbert August	BLA	†	‡	14	St. Louis, Mo.
Stempel, Mrs. Grace Hoover	Mus	†			Urbana
Stephens, Carl	LA(S11)	†	‡	104	Champaign
Stephens, Ethel Gertrude	SS	†	‡	14⅓	Murphysboro
Stephens, John Ross	EE	†		20	Abingdon
Stephens, Robert Bruce	Agr	†		147½	Champaign
Stephens, Roger Lewis	L	‡	‡	26	Robinson
Stephenson, Hubert Vincent	RCE	†		69	Woodlawn
Stephenson, Roger Addison	L	†		55	St. Louis, Mo.
Sterenberg, John Frederick	Agr	†		61½	Fulton
Sterenberg, Bert Ludeus	Agr		‡		Fulton
Steven, Fred Karl	Agr(S11)		‡	8	Sadorus
Stevens, Gladys Agnes	Mus	†	‡	77	Urbana
Stevens, Raymond Monroe	A	†	‡	68	Seattle, Wash.
Stevens, Richard William	Agr		‡		Joliet
Stevens, Sabra Elizabeth, A.B., 1906	Lb		‡		Mahomet
Stevens, Vernon Thompson	BLA	†	‡	31	Joliet
Stevens, Wayne McKenzie	Agr		‡		Taylorville
Stevens, Wentworth Holt	Agr	†	‡	55½	Urbana
Stevens, William Corley	EE	†		51	Marshall
Stevenson, Colvin Ayers	ME	†	‡	26½	Chicago
Stevenson, Dana Hugh	Agr	†	‡	101	Elvaston
Stevenson, Augustus George	S		‡		Harvey
Stevenson, Ethel Clare	Mus sp	†		3	Urbana
Stevenson, James Vail	S	†	‡	120	Streator
Stevenson, Milton Leonard, A.B., 1910	SS		‡		Mason City
Stewart, Charles Hoeglan	Agr sp	†		34	Godfrey
Stewart, Earle Henry	RME		‡		St. Louis, Mo.
Stewart, Edith Eliza	LA	†		132½	Urbana
Stewart, Glennville Edward	EE	†	‡	139	Ottawa, Kan.
Stewart, Harold Burton	A	†	‡	96	Seattle, Wash.
Stewart, LeRoy	L	†		85	Ava
Stewart, Martha	LA	†		15	Rossville

Stewart, Melville Boicourt	MnE	†		141	Metropolis
Stewart, Robert Earle	EE(S10-11)	†	‡	49½	Dwight
Stice, Henry Sylvester	S	†		35	Litchfield
Stice, Kenneth Seymour	SS		‡	9	Urbana
Stickling, Nora Benedicta	SS		‡	9	Elgin
Stiefel, Ira Brokaw	EE(S10)	†	‡	115	Litchfield
Stillwell, John Franklin	Agr	†		69	Shelbyville
Stinson, Ira S	CE	†	‡	34	Lincoln, Kan.
Stipp, Blanche	Mus		‡		Champaign
Stipp, Dan'l Webster Voorhees	SS	†		14½	Danville
Stipp, Frank Vennum	CE(S10)	†	‡	82½	Champaign
Stipp, Maud	LA	†		16	Champaign
Stitt, Don Prather	Agr sp		‡		Williamsville
Stitt, Raymond DeVries	EE		‡		Morgan Park
Stitzel, Clarence Miller	Agr	†	‡	110½	Nelson
Stock, Emma Martha	LA	†		62⅓	Odell
Stocker, Lawrence Orville	AE	†	‡	131½	Pana
Stockfleth, Berger	EE		‡		Chicago
Stocks, Mary Belle	HSAgr		‡		Garden City, Ks.
Stokes, Alfred Edward	CE(S10)	†		108	Chicago
Stokes, Clifford Sharp	Agr		‡		Edinburg
Stokes, Hiram White	Md		‡		Edinburg
Stokes, John William	EE	†	‡	111	Norris City
Stolle, Bonard Franklin	LA sp		‡		Urbana
Stoltey, Marie Jennie	HSLA	†	‡	56	Champaign
Stone, Edna Louise	LA	†	‡	95	Morrison
Stone, Mabel Gladys	HSLA	†		32	Morrison
Stone, Othello Raymond	A(S10)	†	‡	45	Urbana
Stone, Tom Candy	Agr	†	‡	31½	Stonington
Stonehouse, Earl	EE		‡		Lamson, N. D.
Stonier, Don Duane	Agr		‡		Urbana
Stonier, Robert Briscoe	BLA	†		29	Toulon
Stopp, Gerald Darfield	LA		‡		Plainfield
*Storey, Carl Vawter	ME	†		30	Columbus, Ind.
Storey, Lester John	Agr sp		‡		Shabbona
Storms, Lewis Stanley	Agr		‡		Niles, Mich.
Stott, Mina Evelyn	LA		‡		Dixon
Stouffer, Emmert Talmage	L	†		10	Gibson City
Stough, Glenn Howenstein	MSE	†	‡	75	Chicago
Stout, Earl Boyd	ME		‡		Freeport
Stout, Frank Lewis	Agr	†		135½	Glenarm
Stout, Ray Davidson	Agr sp		‡	5	Fonda, Ia.
Straight, Gladys Lee	LA	†	‡	140	Fonda, Ia.
Straight, Oma Ruth	LA	†			Springfield
Strait, James Foster	SS	†	‡	5	Roodhouse
Strang, Robert Leon	Agr	†	‡		Antioch
Strang, Victor Hughes	SS	†		6⅓	Antioch
Stathman, John Herman	Agr		‡		Pekin
Strauch, Bertha Henrietta	HSLA	†	‡	99	Chadwick
Straus, Stanley James	Agr		‡		Ligonier, Ind.
Streed, Elsie Judith	HSS(S11)		‡	8½	Waukegan
Streeter, Harry Sweet	L	†		7	Grant Park
Streff, Harold Peter	Agr	†	‡		Chicago
Strehlow, Paul Valentine	AE	†	‡	71	Peoria
Streitmatter, David Robert	Agr sp		‡		Edelstein
Strickland, Roy Malcolm	Agr		‡		Urbana
Strock, Faraday James	CE		‡		Sterling

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*Deceased.

Stroheker, Frank Sewall	*LA*	†	‡	*35*	*Barry*
Strong, Arthur Crist	*L(LA10-11)*	†	‡		*Urbana*
Strong, Charles Howard	*BLA*		‡		*Earlville*
Strong, George Woodworth	*Agr sp*		‡		*Joliet*
Strong, Harry Danford	*Agr*	†	‡	*22*	*Keithsburg*
Strong, LaDella	*LA*	†	‡	*30*	*Urbana*
Strong, Robert Ambrose	*CE*		‡		*S. Bend, Ind.*
Strong, William Augustus	*Agr*	†	‡	*32*	*Joliet*
Struhsacker, Irene Alice	*HSAgr*		‡		*Chicago*
Stuart, Dora May	*SS*	†		*45-6*	*Chadwick*
Stubblefield, Benjamin Harrison	*Agr*		‡		*Bloomington*
Stuebing, Albert Frederick	*RME*	†		*153*	*S.Had'y Fls,Mass*
Stuenkel, Francelia	*HSS*		‡		*Monee*
Sturtz, Harry Kennell	*L*	†		*21*	*Sterling*
Styles, Edward B	*CE*	†	‡	*108*	*Chicago*
Sudduth, Waldo Ballard	*Agr*	†		*30*	*Paris*
Sullivan, Charles Michael	*EE(S11)*	†	‡	*118*	*Freeport*
Sullivan, Francis James	*S(S11)*	†		*4*	*Chicago*
Sullivan, Harry Stewart	*AE*	†		*9*	*Hope, Ark.*
Sullivan, John James	*CE*		‡		*St. Louis, Mo.*
Sullivan, Nicholas Cyril	*ME*		‡		*Chicago*
Sullivan, Ward William	*LA*	†		*131*	*Thompsonville*
Sullivan, Will J	*SS*		‡		*Champaign*
Summerfield, Ned Lewis	*LA*	†		*29*	*Cloquet, Minn.*
Summers, Abel Ross	*EE*		‡		*Champaign*
Summers, Lucius Welborne	*Agr*	†		*99*	*Springfield, S. C.*
Summers, Waldo deVere	*Agr(S10)*	†		*13*	*New York City*
Sunderland, Emily Kingman	*HSLA*		‡		*Delavan*
Suppes, Edward Raymond	*Agr sp*	†		*30½*	*Somonauk*
Supple, Winifred May	*HSAgr*		‡		*Deerfield*
Suryieh, Izzet Basil	*Agr*	†	‡		*Sahka, Egypt*
Sutch, Armand Kredel	*Agr*	†	‡	*15*	*Chicago*
Suter, Earl Ray	*EE*	†	‡	*37*	*Golden*
Sutherland, George Fred	*S*		‡		*Grand Island*
Sutherland, John Bruce, Jr	*AE*	†	‡	*118*	*Seattle, Wash*
Sutherland, Leon Eugene	*L*	†		*85*	*Chillicothe, Mo.*
Sutherland, William Stanley	*LA*		‡		*Grand Isl., Neb.*
Sutton, Harold Isaac	*Agr*	†		*62½*	*Chicago*
Swain, Harold Waters	*LA*		‡		*Chicago*
Swan, Walter Edward	*EE(S10-11)*	†		*42½*	*Maroa*
Swannell, Horace Conrad	*EE*	†	‡	*111*	*Kankakee*
Swannell, William Laurence	*EE*	†	‡	*17*	*Kankakee*
Swanson, Claude Magnus	*L*	†	‡	*23½*	*Ludlow*
Swanson, Fred Curtis	*LA*	†	‡	*49*	*Urbana*
Swanson, Ivar Roy	*A sp*		‡		*Chicago*
Swanzey, John Howard	*Agr*	†		*17*	*Ridott*
Swartz, Leon Frank	*Agr*		‡		*Urbana*
Swartz, Nelle Leona	*Mus*	†		*108*	*Urbana*
Sweeny, Perry Jerome	*EE*		‡		*Caledonia*
Sweet, Marvin Stone	*SS*	†		*65-6*	*Lawton, Okla.*
Sweitzer, Fred Earl	*Agr*	†	‡	*107*	*Morton*
Swenson, Edwin Henry	*CE*	†	‡	*79*	*Chicago*
Swern, Perry Weston	*AE*	†		*130*	*Chicago*
Swetlick, John Thomas	*Agr*	†		*40*	*Holton, Kan.*
Swett, Elwell Payson	*ME(S10)*	†	‡	*61*	*Chicago*
Swett, Leslie Wells	*MnE*	†	‡	*48½*	*Blue Island*
Swick, Mary Ethel	*LA sp (S11)*		‡	*8*	*Urbana*
Swickard, Clinton Daniel	*Md*	†	‡	*33*	*Newman*
Swickard, Earl Oscar	*BLA*		‡		*Newman*
Swift, Donald McLeod	*EE*	†	‡	*14*	*Chicago*

Swift, Gertrude Thayer	*LA*	†		*17*	*Fresno, Cal.*
Swift, Lewella Pooler	*LA*	†		*17*	*Fresno, Cal.*
Swigart, Clara	*Mus*	†		*18*	*Clinton*
Switzer, Theodore Ernest	*L sp*		‡		*Macomb*
Swope, Russell Claude	*ME*		‡		*Kankakee*
Sykes, James Thorburn	*Agr*	†	‡	*32*	*Beverly*
Symons, Lillie Gertrude	*Mus sp*	†		*2*	*Mazon*
Symons, Thomas Augustas	*Agr*	†	‡	*120½*	*Peabody, Kan.*
Sze, Ying Tsehn	*SS*		‡	*4*	*Shanghai, China*
Szivickis, Pranis	*Agr sp*		‡		*Chicago*
Taber, Bayard Freeman	*A*	†	‡	*74*	*Urbana*
Taber, George Bernard	*Agr*	†		*5½*	*Pawpaw*
Taborn, William Edgar	*SS*	†			*DuQuoin*
Taggart, Frank, Jr	*Agr*		‡		*Wooster, O.*
Talbert, Harold Arthur	*A*		‡		*Garrett, Ind.*
Talbot, Louis, Jr	*SS*		‡	*2½*	*Freeburg*
Talbot, Mildred Virginia	*LA*	†	‡	*102*	*Urbana*
Talbot, Robert Maitland	*BLA(S10)*	†		*29½*	*Geneva*
Talcott, Mancel	*BLA*	†	‡	*49*	*Waukegan*
Tanner, Florence Mae	*HSLA(S10)*		‡	*128 5-6*	*Aurora*
Tannesen, Harvey Allen	*CE*		‡		*Ishpeming, Mich.*
Tanquary, John Hansford	*Md*	†	‡	*64*	*Urbana*
Tapping, Charles Hawley	*AE*	†	‡	*33*	*Peoria*
Tarble, Charles	*Agr*	†	‡	*92½*	*Martinsville*
Tarr, Steven George	*EE*	†		*21*	*Pawpaw*
Tarracciano, Alexander	*EE*		‡		*Chicago*
Tate, Fred Reeves	*L*	†	‡	*158½*	*Vandalia*
Tate, Harry Lawson	*LA*	†		*131½*	*Vandalia*
Tate, James Alfred	*Agr(S11)*	†	‡	*15*	*E. St. Louis*
Tatge, Albert William	*L*	†		*50½*	*Chicago*
Taylor, Dalla Alice, A.B., 1910	*SS*	†	‡	*130⅓*	*Hays*
Taylor, Ernest Harvey	*Agr*	†	‡	*70*	*Lancaster, Wis.*
Taylor, Gertrude	*HSAgr(S10)*	†		*77*	*Aurora*
Taylor, Guy Clifton	*BLA*	†		*26*	*Assumption*
Taylor, Hazel Emma	*HSAgr(S11)*	†	‡	*61½*	*Chicago*
Taylor, Horace Albert, Jr	*L sp*		‡		*Metropolis*
Taylor, Jessie Edna	*SS*		‡	*7½*	*Mazon*
Taylor, Marcus Prevost	*CE*	†	‡	*75*	*Alton*
Taylor, Margaret	*SS*	†		*82*	*Chicago*
Taylor, Milo Cornelius	*CE*		‡		*Urbana*
Taylor, Muzette Annie	*SS*		‡	*38*	*Cairo*
Taylor, Rose Elizabeth	*SS*	†		*3⅔*	*St. Louis, Mo.*
Taylor, Scott Champlin	*ChE*	†	‡	*87*	*Bement*
Taylor, Warren	*SS*	†			*Urbana*
Taylor, William Lincoln	*SS*	†		*107*	*Lancaster, Wis.*
Taylor, William Mitchell	*Agr*	†	‡	*31*	*Champaign*
Teal, Lois Leota	*SS*	†		*130⅔*	*Arcadia, Ind.*
Tear, Harry Clark	*L*	†		*58*	*Warren*
Tear, Henry Raymond	*EE*	†	‡	*45½*	*Chicago*
Tear, Julia Frances	*HSLA*	†		*133*	*Chicago*
Telfer, George Averna	*Md*		‡		*Litchfield*
Teetor, Paul	*Cer*	†	‡	*32*	*Okeana, O.*
Telford, Fred	*SS*	†		*113*	*Oakley*
Ten Broeck, Andrew	*Agr sp*		‡		*Parsons, Kan.*
Teng, Kwang-tang	*ChE(S10-11)*	†	‡	*99*	*Canton, China*
Terril, Clarence Thomas	*LA*		‡		*Atwood*
Thatcher, DeWitt Wesley	*Agr*		‡		*St. Charles*
Thatcher, George William	*ME*	†		*153*	*River Forest*
Thayer, Alice Cary	*LA*	†	‡	*95*	*Chicago*
Thayer, Cleaver	*BLA*	†	‡	*67*	*Highland Park*

Thayer, Ethel Frances	SS		‡		Abilene, Kan.
Theilen, Margaret Katherine	LA	†	‡	68	Camp Point
Thian, Lin Kit	SS	†		6½	Canton, China
Thomas, Edward Charles	SS	†		31½	Geneva
Thomas, Emil Warren	ME		‡		W. McHenry
Thomas, George Burford	SS	†			Marion, Ind.
Thomas, John Mifflin	ME	†	‡	40	Vincennes
Thomas, Lyle	LA	†		64	Lewistown
Thomas, Marie Anna	LA		‡		Champaign
Thomas, Melvin	Agr		‡		Charleston
Thomas, Raymond Rogers	BLA	†	‡	94	Rockford
Thomas, Robert Ellsworth	CE	†	‡	15	Rockford
Thomas, William Race	EE(S10)	†		47½	Decatur
Thomason, Fred Robert	Agr	†		55	W. Pullman
Thomason, Jay Francis	Agr	†	‡	53	W. Pullman
Thome, John Paul	Agr(S10)	†	‡	110½	Jackson, Mich.
Thompson, Mrs Beatrice Hazel	Mus sp (S10)	†	‡	8⅔	Urbana
Thompson, Charles Henry	CE	†	‡	47	Chicago
Thompson, Fleta	HSLA		‡		Carrier Mills
Thompson, Francis	SS	†	‡	51 5-6	Pinckneyville
Thompson, Harold Earle	EE	†	‡	37	Chicago
Thompson, Harwell Cloud	BLA	†	‡	67	Harvey
Thompson, Herbert Percy	ME(S11)	†	‡	112½	Plainfield
Thompson, John C	Agr		‡		Springfield
Thompson, Ralph Emerson	Agr sp	†	‡	8½	Urbana
Thompson, Roy Melvyn	LA	†		41	Anderson, Ind.
Thompson, Samuel Arthur	L	†		21	Macomb
Thompson, Samuel Matthew, A.B., 1909	L	†		87	Harrisburg
Thomson, Arthur William	AE	†	‡	34	Plymouth, Ind.
Thomson, Charles Sarmiento	EE		‡		BuenosAyres,Arg
Thomson, Jennie Helen	SS	†		95	Paxton
Thomson, Raul Waldo	Agr		‡		Champaign
Thoren, Joseph Nathaniel	CE	†		145	Lockport
Thorne, Frank Hilton	ME		‡		Berwyn
Thorne, John Paul	Agr		‡		Jackson, Mich.
Thorne, Laurence Emerson	Agr		‡		Huntington, Ind.
Thorne, Mabel Elizabeth	S	†	‡	69	Huntington, Ind.
Thornton, August Olliver	SS	†	‡	3	St. Louis, Mo.
Thornton, Estelle	LA	†		17	Park Ridge
Thorpe, Mrs Carrie B	Mus		‡		Urbana
Thorpe, William Frederick	Agr		‡		Chicago
Thrasher, Harry Maxwell	LA(S10)	†		141	Pontiac
Thrasher, Marvin Allen	SS	†	‡	27⅔	Atwood
Threlkeld, Clyde Hollis	BLA(S10)	†	‡	53	Urbana
Thurston, Mrs Florence Holbrook	LA sp	†		2	Urbana
Thurston, Henry Winfred, Jr	Agr		‡		Chicago
Thvedt, Christian Bernhard	EE(S11)	†	‡	96½	Minneap's, Minn.
Tibbitts, Douglas DeForrest	Agr	†	‡	44	Urbana
Tibbitts, Robert Keith	ME	†		80	Highland
Tiedemann, Edwin Wylde	Agr		‡		St. Louis, Mo.
Tigar, Effie Anna	SS	†			Havana
Tillson, Harold Luther	CE	†	‡	24	Naperville
Tilton, Kenneth Dale	ME	†	‡	31½	Moline
Tilton, Leon Deming	A(S10)	†	‡	4	E. St. Louis
Timmins, Henry A	Agr		‡		Chicago
Timmis, Alice Maria	HSAgr		‡		Chicago
Tincher, Donald Louis	ME	†	‡	21	Urbana
Tinen, John Victor	Ch	†	‡	119⅔	Chicago

Tinen, Mary Edith	*SS*		‡	*8½*	*Peoria*
Tinzmann, Erich Ludwig	*REE*	†	‡	*35½*	*Chicago*
Tipsword, Harrison Meredith	*BLA(S11)*		‡		*Toledo*
Titus, George Leiner	*BLA*	†		*66*	*Sullivan*
Todd, John Nelson	*ME*	†	‡	*114*	*Tabor, Ia.*
Tohill, Louis Arthur	*LA(S11)*	†	‡	*113*	*Flat Rock*
Tolman, Hugh Harrison	*LA*	†	‡	*119*	*Red Oak, Ia.*
Tompkins, Edward Ray	*SS*	†			*Bloomington*
Tong, Harry Yukit	*Agr sp (S11)*		‡	*8*	*Shanghai, China*
Tong, Yung Tso	*MSE*	†	‡	*34½*	*Tientsin, China*
Tonsor, Edith Anett	*HSS*		‡		*Alton*
Torgerson, Edward Fritchoff	*Agr*	†		*70½*	*Chicago*
Torrence, Mary A.B. *(Hanover Coll.)*, 1900	*Lb*	†	‡	*31*	*Lexington*
Torres, Ricardo Castanos	*ME*		‡		*Champaign*
Tourtelot, John Hopkins	*SS*	†		*33*	*Palos Park*
Tosney, Mrs Minnie E	*SS*		‡		*Harmon*
Towns, Orlo Alamon	*LA(S10-11)*	†	‡	*123*	*Champaign*
Towns, Mrs Mabel Ellen	*HSS sp*	†		*38 5-6*	*Champaign*
Towson, Irene	*LA*		‡		*Macon*
Tragosa, Gilberto	*SS*		‡		*Durango, Mex.*
Trainor, Margherita Madeleine	*LA*		‡		*Ottawa*
Trammell, Samuel Ellis	*SS*	†	‡	*2*	*Birmingham, Ala.*
Travelstead, Moody Evert	*EE*	†			*Harrisburg*
Travers, Sylvan Morse	*BLA(S10)*	†		*131½*	*Fairview*
Treat, Margaret Jane	*LA*	†	‡	*105*	*Harvard*
Tressel, Harry Shults	*LA*	†	‡	*35*	*Terre Haute, Ind.*
Treuthart, Lloyd Sidney	*CE*	†		*145*	*Galesburg*
Triggs, Leon Alvin	*ME*	†	‡	*34*	*Elgin*
Trimble, Carleton Thompson	*BLA(S10)*	†		*134½*	*Trimble*
Tritt, Frances Irene	*LA*		‡		*Bloomington*
Trobaugh, Grace Edith	*LA*	†		*66*	*Murphysboro*
Trost, Frances Helen	*LA(S10)*	†	‡	*36*	*Urbana*
Troup, Harold Joseph	*BLA*	†	‡	*60*	*Kankakee*
Trowbridge, Charles Edgar	*ME*		‡		*S. Bend, Ind.*
Trowbridge, Charles Leslie	*Agr*		‡		*Crete*
Trowbridge, Myrtle	*LA*	†		*140*	*Green Valley*
Trowbridge, Tessie Elizabeth	*HSAgr*	†	‡	*17*	*Green Valley*
Truitt, Elmer	*SS*		‡	*7½*	*Irving*
Truitt, Henry	*Agr*	†		*137½*	*Chillicothe*
Truitt, Louis Elmo	*ME*	†		*15*	*Roodhouse*
Truman, Fern	*HSAgr*		‡	*3*	*Urbana*
Truman, Jonathan Hall	*EE*	†		*143½*	*Bushnell*
Trumbo, Silas Max	*CE*		‡		*Pontiac*
Tryon, Charles Leon	*SS*	†		*107*	*Woodstock*
Tsao, Mou Chuan	*LA*	†	‡		*Kweng-Chow, Chi.*
Tsen, Lung Nyoen	*Ch*		‡		*Urbana*
Tsiang, Khoo-din Supeh, A.B., 1910	*Agr(S10)*	†		*260*	*Shanghai, China*
Tubbs, Harold Azelle	*LA*		‡		*Champaign*
Tucker, Phoebe Caroline	*LA*	†	‡	*66*	*Roseville*
Tucker, William Browning	*Agr*	†	‡	*17*	*Oak Park*
Tull, Irving Clifford	*SS*		‡		*Tuskegee, Ala.*
Turell, Melissa	*LA*	†	‡	*17*	*Champaign*
Turk, Bella Selma	*LA*	†		*130*	*Litchfield*
Turlay, Anna Marie	*LA*		‡		*Clinton*
Turley, Robert Edgar, Jr	*CE*	†	‡	*72*	*Richmond, Ky.*
Turner, Bessie Irene	*LA*	†		*61*	*Loda*
Turner, David Adolph	*Agr*		‡		*Chicago*
Turner, Ernest DeWitt	*Agr*	†	‡	*98*	*Wenona*

Turner, Frank	*Agr*	†	‡	38½	*DuQuoin*
Turner, Frank Clayton	*SS*	†		1⅔	*Medora*
Turner, James Marion	*SS*		‡		*Lovington*
Turner, Reuben Raymond	*SS*	†		7 5-6	*Taylorville*
Turner, Rhodolphus Kibbe	*Agr*	†	‡	30	*Butler*
Turner, Ruth Minnie	*LA*		‡		*Beardstown*
Turner, Walter Carlyle	*BLA*	†	‡	30	*Atlanta*
Turner, Walter Vane	*ME*	†	‡	107	*Toledo. O.*
Turnock, Llewellyn Alvin	*A*		‡		*Elkhart, Ind.*
Tuthill, John Kline	*EE*		‡		*Leroy*
Tuttle, George Kreiter	*Md*	†		2	*Amboy*
Twist, Clarence Cicero	*CE*	†		132½	*Rochester*
Twist, John Francis	*Agr*	†		135½	*Rochester*
Tyler, Charles Vernon	*CE*	†		141	*Plano*
Tyler, James Hersey	*CE(S11)*		‡	2	*Urbana*
Underhill, Harold Wertz	*A*	†	‡	71	*Onawa, Ia.*
Underwood, Clarence	*CE*	†		5	*Sullivan*
Underwood, Gilbert Stanley	*A sp*		‡		*Urbana*
Unzicker, Earl Morris	*AE*	†		71	*Normal*
Uphaus, Bruce Richard	*ME*		‡		*Chicago*
Urch, Melvin Case	*Agr sp*		‡		*Muskegon, Mich.*
Utsurikawa, Nenozo	*LA(S11)*	†	‡	60½	*Iwashiro, Japan*
Valentine, Howard DeWitt	*ChE*	†	‡	67	*River Forest*
Vallejos, Emiliano Elizsche	*Agr(S10)*	†		134½	*Ascuncion, Par.*
Van Buskirk, Roy Harold	*Agr sp*		‡		*Mt. Carroll*
Vance, George Raymond	*CE*	†	‡	24	*Edwardsville*
Van Cleve, Arthur	*L*	†		86	*Decatur*
Van Cleve, Edith Joy	*LA*	†	‡	101½	*Decatur*
Van Cleve, Edward Everett	*LA(S11)*	†	‡	129	*Urbana*
Van Cleve, Laura Lillian	*LA(S11)*	†	‡	105½	*Urbana*
Van Cleve, Mildred May	*S*	†	‡	34	*Urbana*
Van Cleve, Ethel	*SS*		‡	2½	*Decatur*
Van Dam, Ernest	*EE*	†			*Ludlow*
Van de Greyn, Engel Bert	*MSE*	†		154	*ExcelsiorSpgs,Mo*
Vandercook, Henry Peirce	*Agr*	†	‡	35	*Chicago*
Van Derheyden, Simon Henry	*Agr*	†			*Whitehall*
Van Dervoort, Jameson	*CE*	†		140	*Chicago*
Vandervort, Franklin Cady, Jr	*ME*	†	‡	37	*Bloomington*
Vandervort, Isabel Morehouse	*LA*	†		128	*Bloomington*
Van Deursen, Florence	*S(S10)*	†		68	*Chicago*
Van Deusen, Archibald Beebe	*EE*	†		110	*Evanston*
Vandeveer, Harrie Earl	*EE*	†	‡	109	*Edinburg*
Van Doren, Frank Eugene	*Agr*	†	‡	29½	*Urbana*
Van Doren, Mark Albert	*LA*	†	‡	33	*Urbana*
Van Driesen, Winnifred Maude	*SS*		‡	4	*Elgin*
Van Gundy, Claude	*EE*	†	‡	107	*Ellsworth*
Vaniman, Roy L	*EE*	†	‡	111	*Girard*
Van Inwagen, Ruth	*LA*		‡		*Champaign*
Van Meter, Sara Hampton	*SS*	†		2⅔	*Champaign*
Van Petten, Oliver William	*CE*		‡	28	*Champaign*
Van Praag, Solomon	*CE*		‡		*Decatur*
Vansant, William Laurence	*ME*		‡		*Chicago*
Van Schoick, Elmer Holmes	*CerE*	†		150	*Bloomington*
Van Tuyle, Robert	*Agr*	†		83½	*Manchester*
Van Voorhis, Willis Eli	*LA*	†	‡	47	*Tuscola*
Van Winkle, Edith	*SS*		‡	8	*Avon*
Van Zandt, Arnold Cyrus	*BLA*		‡	114	*Champaign*
Varns, Reginald	*RCE*		‡		*Middlebury, Ind.*
Vasconcellos, George W	*ME*		‡	15	*Jacksonville*
Vater, Margaret	*HSAgr*		‡		*Chicago*

Vauble, William Carl	*Agr*	†	‡	*63½*	*Washington*
Vaughan, Glenn Poland	*BLA(S11)*	†	‡	*12*	*Amboy*
Vaughan, Lynn Brian	*Md*	†		*108*	*Hurley, S. Dak.*
Vaught, W Kelly	*SS*		‡	*5*	*Lawrenceville*
Vautrin, Minnie	*S*	†	‡	*102*	*Secor*
Vear, Charles Edwin	*BLA*	†	‡	*100*	*Chicago*
Vehmeier, Fred Eldon	*Agr*	†	‡	*20*	*Dakota*
Velzy, Charles R	*ME*	†	‡	*37*	*Harvey*
Venard, William John	*BLA*		‡		*N. Adams, Mass.*
Verlie, Emil Joseph	*L*	†	‡	*59*	*E. St. Louis*
Vermilye, Oscar Valentine	*Md*		‡		*Sandwich*
Vernon, Willett Blayney	*ME*	†	‡	*44*	*Chicago*
Verrill, George Henry, Jr	*Cer*		‡		*Berwyn*
Vestal, Arthur Gibson	*S(S10)*	†		*140*	*Chicago*
Vial, Joseph McNaughton	*Agr(S10-11)*	†	‡	*90*	*LaGrange*
Vial, Nathaniel Smith	*Agr*		‡		*LaGrange*
Vial, Ralph Hoyt	*Agr*	†	‡	*32*	*LaGrange*
Vial, Sarah Adelia	*HSS(S10)*	†		*130*	*LaGrange*
Viemont, John Howard	*Agr sp*		‡		*Mackinaw*
Vigeant, Gregory, Jr	*A*	†	‡	*118*	*Chicago*
Virgin, Eli Horace	*Agr*	†	‡	*26½*	*Virginia*
Voight, Archie Lewis	*MnE*	†	‡	*106*	*DuQuoin*
Voigt, Herbert Louis	*CE*	†	‡	*36*	*Chicago*
Volberding, Harry Henry	*CE*	†		*21*	*Bensonville*
Volk, Alvin Claude	*CE*		‡		*St. Louis, Mo.*
VonDach, William Burt	*CE*		‡		*St. Louis, Mo.*
Voorhees, Daniel Webster	*LA*		‡		*Peoria*
Von Valtier, Ralph	*ME*		‡		*Chicago*
Vosburgh, William Richardson	*BLA*	†	‡	*59*	*Oak Park*
Vose, Dee Kay	*Agr*	†		*20½*	*London Mills*
Voss, Elizabeth Ann	*HSAgr*	†	‡	*51*	*Champaign*
Voss, Mathilda Caroline	*HSLA*	†		*134*	*Champaign*
Voss, Walter Charles	*AE(S10)*	†	‡	*125*	*Chicago*
Waalker, Jennie	*SS*		‡		*Chicago*
Wacaser, Edwin Emery	*L*	†		*8*	*Lovington*
Waddell, James Edward	*Ch*		‡		*Peoria*
Wade, Fred Samuel	*Agr*		‡		*Clinton*
Wadsworth, Litta Gertrude	*SS*		‡	*5*	*Eureka*
Waggoner, Arthur Mellinger	*A*	†	‡	*60*	*Decatur*
Waggoner, Edwin Harris	*LA(S10)*	†		*109⅓*	*Macomb*
Wagner, Alexander	*A*		‡		*Chicago*
Wagner, Alvin Louis	*BLA*	†	‡	*12*	*Chicago*
Wagner, Gilbert Frederick John	*L*	†		*91*	*Princeton*
Wagner, Harvey Franklin	*CE*	†	‡	*125*	*Virden*
Wagner, Percy Evan	*BLA*		‡		*Chicago*
Wagner, Wilhelm Mollin	*BLA*	†	‡	*12*	*Princeton*
Wagner, William Andrew	*CE*		‡		*Champaign*
Wainwright, James Butler	*ME*		‡		*Winchester*
Waits, Harmon Ebert	*SS*	†	‡	*130*	*Elizabetht'n, Ind.*
Wakefield, George Mincke	*CE*		‡		*Alma*
Wakeley, Leslie Marion	*Agr*	†		*132*	*Harvard*
Walcott, Nona	*LA(S11)*	†		*15½*	*Urbana*
Walduck, Charles Louis	*CerE*	†	‡	*90*	*Chicago*
Walker, Carle Capron	*Agr*	†		*71½*	*Clinton*
Walker, Francis William, Jr	*Cer*	†		*172½*	*Beaver Falls, Pa.*
Walker, Grace	*SS*		‡	*7½*	*Wenona*
Walker, Helen Flora	*SS*		‡	*4*	*Canton*
Walker, John	*A*		‡		*Aurora*
Walker, Lloyd Blankenship	*Md*	†		*5*	*Carterville*
Walker, Robert Allyn	*Md(S10)*	†		*130*	*Herrin*

Walker, Robert Wier	*Agr sp (S11)*		‡		*Chambersburg*
Wallace, Archibald Graeme	*LA*	†		*35*	*Chicago*
Wallace, Cora Elizabeth	*Mus*	†		*93*	*Champaign*
Wallace, Edward	*CE*	†	‡	*75*	*Chicago*
Wallace, Frank Miller	*CerE*	†		*147*	*Chicago Heights*
Wallace, Mabel Clare	*HSAgr*	†	‡	*56*	*LaGrange*
Wallace, Wellington James Hamilton	*A*	†	‡	*64*	*Monticello, Mo.*
Wallace, William Arthur	*ME*	†		*149½*	*Chicago*
Wallage, Stanley Tiffin	*EE*	†	‡	*30*	*Paris*
Waller, Florence Marguerite	*Lb*		‡		*Pullman, Wash.*
Walter, Chesley Matthew	*L*	†		*68*	*Savanna*
Walters, Harvey Henry	*A*		‡		*Beach, N. Dak.*
Walters, Jesse Noble	*Agr*	†	‡	*42*	*Carlisle, Ind.*
Walters, Peter Charles	*L*	†	‡	*16*	*Albion*
Walters, Prentice Thurman	*SS*	†		*6⅓*	*Macomb*
Walton, James Kelly	*Agr*	†	‡		*Anna*
Waltrip, George Edward	*Agr*	†		*11½*	*Mattoon*
Walworth, Edward Harvey	*Agr*	†	‡	*85*	*Urbana*
Walworth, Lena Althea	*SS*	†	‡	*159 1-6*	*Urbana*
Walworth, Ralph Waldo	*Agr*	†	‡	*26*	*Urbana*
Wand, Anthony William	*EE(S10)*	†	‡	*101*	*Elizabeth*
Wanderer, Oscar William Rudolph	*CE*	†		*142*	*Chicago*
Wanner, Arthur Lewis	*ME*		‡		*Chicago*
Wansbrough, John Edgar	*BLA(S10)*	†	‡	*26*	*Peoria*
Ward, Ardell Elizabeth	*SS*	†		*2⅔*	*Belleville*
Ward, Elbert Warren	*SS*	†		*3⅓*	*Abingdon*
Ward, Elde Hewlitt	*S*	†		*79*	*Rantoul*
Ward, Frank Anthony	*AE(S10)*	†		*145*	*Sterling*
Ward, Mabel Cecelia	*SS*		‡	*2½*	*Elgin*
Ward, Madge Virginia	*BLA*	†	‡	*17*	*Chicago*
Ward, Mary Myrtle	*SS*		‡	*9*	*Glasgow*
Ward, Philip Henry	*L*	†	‡	*64*	*Sterling*
Warfield, Vernon Huff	*BLA*	†	‡	*30*	*Urbana*
Warinner, Charles Willis	*ME*	†	‡	*37*	*Quincy*
Warinner, Mabel Straube	*Mus*		‡		*Urbana*
Warmolts, Lambertus, Jr	*CE*		‡		*Oregon*
Warner, Fred Milton	*CE*	†		*62*	*Dixon*
Warnock, Charles Howard	*BLA*	†	‡	*101*	*Onarga*
Warnock, Maude M	*LA sp*		‡		*Urbana*
Warren, Arthur Richard	*S*		‡		*Belvidere*
Warren, Daniel Edwin	*Agr*	†	‡	*35*	*Belvidere*
Warren, Frank Baker	*CE*	†	‡	*37*	*Pawpaw*
Warren, George Edward	*CE*	†	‡	*110*	*Pawpaw*
Warren, Henry Russell	*Agr*	†	‡	*15*	*Belvidere*
Warren, Homer Samuel	*Md*	†		*28*	*Chicago*
Wascher, Frederick Martin William	*Agr*	†		*134*	*Strasburg*
Washburn, Charles Sidney	*EE*	†	‡	*33*	*Lenoxdale, Mass.*
Washburn, Fred Philor	*A*	†		*63½*	*Burlington, Ia.*
Washburn, Ralph Harden	*CE*		‡	*64*	*New Berlin*
Wasko, Victor Leonard	*Agr(S11)*	†	‡	*33½*	*Chicago*
Wasson, Glenwood	*EE*	†			*Chrisman*
Watanabe, Onoji	*CE*		‡		*Akita Ken, Japan*
Waters, Edward Everette	*LA(S11)*	†	‡	*101*	*Jacksonville*
Waters, Enos	*Agr*		‡		*Enos*
Watkins, Evart Montgomery	*CE*	†		*141*	*Normal*
Watkins, Nora Gertrude	*Mus*	†		*2*	*Fithian*

Watkins, Sadie Mae	Mus sp	†			Fithian
Watson, Allen Stanley	LA		‡		Mt. Vernon
Watson, Chauncey Brown	Agr	†	‡	87	DeKalb
Watson, Grover W	L(LA10-11)	†	‡	6	Farmer City
Watson, Jane Coulson	LA		‡		Champaign
Watson, Lawrence Orr	Agr	†			Greenwood, S. C.
Watson, Lida Ellen	HSAgr		‡		Abingdon
Watson, Marguerite, A.B., 1910	Mus(S11)	†			Champaign
Watson, Minton William	ME(S11)	†	‡	39½	Champaign
Watson, William Sumner, Jr	EE(S11)	†		104½	Ottawa
Watt, Laura Armenia	SS	†		131 1-6	Princeton, Ind.
Watt, Wray Garver	Agr	†		17½	Alexis
Watts, Claude Harrison	LA	†	‡	62	Saunemin
Watts, Ethel Frances	LA		‡		Champaign
Watts, George Raymond	EE		‡		Lawrenceville
Watts, George William	ME		‡		Chicago
Way, Hermien Clare	SS	†		33⅔	Champaign
Way, Mildred Ruth	LA		‡		St. Paul, Minn.
Weary, Clement Edwin	ME	†		76½	Amarillo, Tex.
Weaver, Lana	RCE	†	‡	109	Raleigh
Webb, Charles Provine	L	†	‡	57	East St. Louis
Webb, Mayme Elizabeth	LA sp (S11)		‡	2½	Charleston
Webb, Rayburn Stokes	A	†	‡	42	East St. Louis
Webb, William Edward	LA	†			East St. Louis
Webber, Harry Edwin	EE		‡		Chicago
Webber, Helen Waller	LA		‡		Urbana
Webber, Lois Rebecca	LA	†		130	Shelbyville
Webber, Margaret Jane	LA	†	‡	33	Danville
Webber, Pearl, A.B., 1903	LA		‡		Urbana
Weber, George Philip	RCE	†		33	Knoxville
Weber, Walter Harry	BLA	†	‡	96	Tower Hill
Webster, Harry Clayton	CE		‡		Champaign
Weedman, Otto Swigart	SS	†			Farmer City
Weeks, Charles Elmer	EE	†		141	Bloomington
Weeks, Glenn	CE		‡		Washington
Weeks, Lyman S	SS	†		99	Jackson, Mich.
Weeks, Robert Ellsworth	S(S10)	†		104½	Chicago
Weger, John Edgar	L	†			Urbana
Wehrman, Carl Olin	BLA	†	‡	2	Ogden
Wehrman, Effie	SS		‡	6	Ogden
Weichelt, Max	AE	†		18	Chicago
Weil, Melvin Eichberg	EE	†	‡	115	Chicago
Weinberg, Joseph Jefferson	EE	†		32	Augusta
Weinberg, Simon Palmer	EE(S11)	†	‡	105	Rushville
Weingartner, Clyde Frederick	AE		‡		Rockford
Weinstein, Henry	A		‡		Goshen, Ind.
Weis, Herman William	Ch	†	‡	17	Holyoke, Mass.
Weisfeld, Leo Harold	A	†	‡	112	Chicago
Weisiger, George Bates	L	†		90	Catlin
Weitz, Henry John Conrad	Agr sp		‡		Morris
Weitzenfeld, Abraham Lewis	BLA		‡		Chicago
Welch, John Maurice	ChE	†	‡	35	La Salle
Welch, Ralph Reece	Agr	†		24	Colchester
Welles, Lyle	A		‡		Kansas City, Mo.
Wellman, Orpha May	LA	†		133 1-6	Champaign
Wells, Edward Roy	CE	†	‡	37	Geneva
Wells, Fred Sheaff	AE		‡		Aurora
Wells, John Richard	Agr	†	‡	114½	Harvard
Wells, Ralph Ray	Agr	†	‡	103	Wenona

Welsh, Marjorie Cecilia	*LA*		‡		*Bradford*
Welsh, Roger Thomas	*Agr*		‡		*Rockford*
Welty, Wallace Moorehead	*Agr*	†	‡	*28*	*Chicago*
Wenholz, Laura L	*HSLA*	†	‡	*30*	*Algonquin*
Wenholz, Walter William	*EE*	†		*143*	*Algonquin*
Wenter, Lawrence Martin	*ME*	†	‡	*125*	*Chicago*
Wenz, Carolyn Louise	*SS*		‡	*93 1-6*	*Paris*
de Werff, Henry August	*Agr sp (S10)*	†	‡	*71½*	*Farina*
Wernsing, Otto Bismark	*Agr*	†	‡	*17*	*Greenview*
Wernsing, Rudolph Bennington	*Agr sp*	†	‡	*13*	*Greenview*
Wertz, Chauncey Frost	*AE*	†		*63*	*Chicago*
Wescott, Virgil	*Agr*	†	‡	*21½*	*Chicago*
Wesner, Elmer C	*L sp*	†		*13*	*Palestine*
West, Harrison	*EE*		‡		*Pecksburg, Ind.*
West, John Ralph	*Cer*	†		*53*	*Loda*
Westcott, Clifford Harper	*CE*	†	‡	*36*	*Maywood*
Westlund, Albert Frank	*ME*	†		*164½*	*Chicago*
Wetzel, Harvey Herman	*A*	†	‡	*70*	*Mt. Carmel*
Weydell, Arthur Theodore	*ME(S10)*	†	‡	*63*	*Chicago*
Whaite, Charles Minor	*EE*	†	‡	*74*	*Hoopeston*
Wham, Benjamin	*LA*		‡		*Urbana*
Wham, Charles	*L*	†	‡	*58*	*Cartter*
Wheaton, Jesse Raymond	*AE*	†		*144*	*Chicago*
Wheeler, Arthur Wayne	*CE*	†		*145*	*Champaign*
Wheeler, Bryant Long	*Agr*		‡		*Carrollton*
Wheeler, Clarence Edwin	*Agr*		‡		*Oswego*
Wheeler, Earle Judson	*CE*	†		*141*	*Chicago*
Wheeler, Irene Burchard	*HSLA*	†	‡	*69*	*Laurens, Ia.*
Wheeler, Lyman Gage	*CE*	†	‡	*74*	*Carrollton*
Wheeler, Parker M	*ME*	†	‡	*12*	*Champaign*
Wheeler, Russell C	*ME*		‡		*Champaign*
Wheeler, William Erastus, Jr	*S*		‡		*East St. Louis*
Wheeless, Myrtis Lea	*Mus*		‡		*Champaign*
Wheelock, Clifford E	*Agr*	†	‡	*41*	*Tampico*
Whelan, James Marion, Jr	*CE*	†	‡	*73*	*Chicago Heights*
Whipple, Warner Frank	*Agr*		‡		*Utica*
Whisler, Ross Alvie	*Md sp*	†		*29*	*Farragut, Ia.*
Whisler, Wayne Ely	*MSE*		‡		*Savanna*
Whitaker, Raymond Charles	*A*	†		*34*	*Davenport, Ia.*
Whitaker, Ruth Lincoln	*LA*	†	‡	*93*	*Chicago*
White, Alvin Chester	*CE*	†		*112*	*Fisher*
White, Austin Goddard	*ME*	†		*25*	*Chicago*
White, Bertha Esther	*SS*	†	‡	*15⅔*	*Barry*
White, Clifford E	*ME*	†	‡	*29*	*Moline*
White, Calvin Williams	*BLA*	†	‡	*62*	*Champaign*
White, Courtland Kirke	*LA*	†	‡	*105*	*Rockford*
White, Don Elgin	*AE*	†	‡	*87*	*Chicago*
White, Edward	*SS*		‡		*Forrest*
White, Fannie Davis	*SS*		‡		*Birmingham, Ala.*
White, Frank Leon	*ME*		‡		*Galva*
White, Grace Belle	*LA sp*		‡		*Rantoul*
White, Graybiel Graham	*Cer*	†	‡	*69*	*Chicago*
White, James Gordon	*CE(S11)*	†	‡	*72*	*Chicago*
White, Joe Guthrie	*Agr*	†			*Marissa*
White, John Wilson	*L(S10)*	†	‡	*48*	*Salem*
White, Kingsley Barbour	*RCE*	†		*142*	*Boise, Idaho*
White, Lyde Evangeline	*LA(S11)*		‡	*27½*	*Urbana*
White, Mary Louise	*LA*		‡	*65*	*Chrisman*
White, Raymond William	*BLA*	†		*59*	*Champaign*
White, Thomas Kenneth	*EE*		‡		*New York City*

Whitelaw, James Chalmers Cameron	EE		‡		Glencoe
Whitford, Leverett George	Agr	†	‡	26½	Edwardsville
Whitham, William Raymond	EE	†		9	Amboy
Whitmire, Laura Gwendolen	LA	†	‡	35	Urbana
Whitenall, Clarence Arthur	ME	†		142	Peoria
Whitney, Charles Earl	CE(S10-11)	†	‡	67½	Silver Sprg, Md.
Whitney, Elizabeth A	SS		‡	10	Geneseo
Whitney, Helen Woodrow	LA	†	‡	68	LaGrange
Whiton, Fannie Louise	SS	†		1⅓	Champaign
Whitten, John Hamilton	S(S10-11)	†		147⅔	Urbana
Whittum, Fred Horace	ChE	†		143	Herscher
Whittum, Samuel Harrie	BLA	†		131	Herscher
Wicoff, John Philip	SS		‡	15	Oreana
Widdis, Annie Laurie	Mus	†			Detroit, Mich.
Wiebmer, Anton Henry	EE	†	‡	37	Quincy
Wiersema, Harry Anthony	AE	†	‡	82	Berwyn
Wiesenmeyer, Henry Riecks	BLA		‡		Springfield
Wiggle, Anna Laura	SS	†		3⅓	Vienna
Wight, Clifford Dana	SS		‡	5	Trinidad, Colo.
Wightman, Richard Mars	CE		‡		St. Louis, Mo.
Wikoff, Minna Luella	LA		‡		Chicago
Wilbourn, Asa J	L(LA10-11)	†	‡		Olive Branch
Wilbourn, Leslie Leroy	L	†		85	Olive Branch
Wild, Harry L	CerE	†			Gilman
Wiley, George Glenn	ME	†	‡	130	Warren
Wiley, James Elmo	Agr(S11)	†	‡	57	Colfax
Wiley, Joseph Paul	BLA	†		131	Sullivan
Wilhoit, Cornelius Zink	Agr sp		‡		Westfield
Wilkins, Raymond Harvey	Agr(S11)	†	‡	60	Champaign
Wilkinson, Walter Laughlin	ME	†		37	Peoria
Willard, Hazel Gertrude	SS		‡	4	Urbana
Wille, Laura May	HSLA		‡		Chicago Heights
Willerton, Fay	HSLA	†	‡	58	Farmer City
Willerton, Taylor Pearce	SS	†		119	Farmer City
Williams, Alfred LeRoy	Agr(S11)	†	‡	51	Urbana
Williams, Anna Waller, A.B., 1907	HSS	†			Urbana
Williams, Earl Clinton	EE	†	‡	36	Gardner
Williams, Edwin Gex Whitesell	ME		‡		La Plata, Mo.
Williams, Guy Carleton, C.E. *(Cornell Coll.)*	SS	†	‡	17½	Mason City, Ia.
Williams, Ira Alonzo	ME	†			St. Louis, Mo.
Williams, Judson	SS	†			Vermilion Grove
Williams, Lloyd Garrison	L	†	‡	66	Elgin
Williams, Lulu Hazel	LA	†	‡	68	Sidell
Williams, Mary Edith, A.M., 1906	Mus		‡		
Williams, Pearle	SS		‡	9	Norris City
Williams, Roy Campbell	CE	†	‡	79	Chicago
Williams, Russell John	EE	†		37	Chicago
Williams, Wilbur Lee	Agr	†	‡	11	Mt. Carroll
Williams, William Asa	Agr	†		7½	Enfield
Williamson, Belle	LA	†	‡	50	Palacio, Tex.
Williamson, Mrs Bertha Laemle	Mus sp	†		4	Champaign
Williamson, Earle Wilbre	Md	†		66	Tuscola
Williamson, Eugene Lamar	EE	†	‡	74	N. Brighton, Pa.
Williamson, Myra Marie	HSS		‡		Tuscola
Williford, Edward Allan	ME		‡		Nokomis
Williford, Pearle	Mus sp		‡		Harrisburg

Willis, Gilbert Anson	*LA*	†	‡	*29*	*Momence*
Willmore, Cyrus Crane	*L*	†	‡	*66*	*Union Grove, Wis.*
Wills, Mary Etta	*LA*	†	‡	*37*	*Watseka*
Willsey, James Gallett	*Agr*		‡		*Pittsfield*
Willson, Glen Irwin	*EE*	†	‡	*29*	*Guernsey, Wyo.*
Wilson, Amanda Esther	*LA*	†			*Decatur*
Wilson, Arthur G	*Agr*	†		*31*	*McNabb*
Wilson, Ashbel Roy	*ME*	†	‡	*9*	*Hutsonville*
Wilson, Benjamin J	*CE*	†	‡	*121½*	*Chicago*
Wilson, Bernice Celia	*HSAgr(S11)*	†	‡	*31*	*Los Angeles, Cal.*
Wilson, Clay Ralph	*Md*	†		*14*	*Kingsley, Ia.*
Wilson, Edward Michael	*ME*	†		*3*	*Mexico Cy, Mex.*
Wilson, Frank Harland	*EE(S10)*	†	‡	*112*	*Champaign*
Wilson, Horace Smith	*S(S10-11)*	†	‡	*123*	*Chicago*
Wilson, Howard Wesley	*Agr sp*		‡		*Gilman*
Wilson, James Aiken	*RME*		‡		*Herrin*
Wilson, Joseph Howell, Jr	*ChE*		‡		*Park Ridge*
Wilson, Marvin Morris	*Agr*	†		*48*	*Argenta*
Wilson, Norman Kenneth	*CE*	†	‡	*32*	*Chicago*
Wilson, Nelle Ruth	*LA*		‡		*Sparta*
Wilson, Page Hurlburt	*S*	†		*53*	*Metamora*
Wilson, Ray	*ME*	†	‡	*22*	*Urbana*
Wilson, Robert John	*ChE*	†		*15*	*Edison Park*
Wilson, Ross B	*ME*	†		*142*	*Kankakee*
Wilson, William Webb	*Agr sp*	†	‡	*32*	*Brownstown*
Winans, Harold George	*EE*		‡		*Aurora*
Winans, Orin Clifford	*Agr*	†		*12½*	*Paris*
Winegar, Marion Alice	*SS*		‡		*Kenosha, Wis.*
Winn, Chester Vernon	*Agr*	†		*40½*	*Chicago*
Winquist, Samuel Victor	*BLA*	†	‡	*33*	*Batavia*
Winslow, Winnie	*SS*		‡	*10 1-6*	*Greenup*
Wintermeyer, Elsa	*S*	†	‡	*81*	*Chicago*
Winters, Charles Prior	*LA*		‡		*Chicago*
Wise, Louis Edwin	*Agr sp*	†		*21½*	*Beaver Creek*
Wise, Seibert Day	*L*	†		*18*	*Eldorado*
Wisegarver, Warner Wayne	*Agr*	†		*4½*	*Deland*
Wiseman, Joseph Scott	*SS*	†		*5½*	*Kewanee*
Wishon, Thomas David	*Agr*	†		*4½*	*Stillwell*
Wissing, Clement Bernard	*ME*	†		*154½*	*Vincennes, Ind.*
Witchell, Barton Edward	*EE*		‡		*Vermont*
Wicher, Edward Kitchell	*LA*	†		*108*	*Olney*
With, George Orlando	*MSE*		‡		*Joliet*
Witt, Adaline Elizabeth	*S(S10)*	†		*117⅓*	*Kane*
Witt, Clarence Oliver	*SS*		‡	*5*	*La Fayette*
Witt, William Paxton	*CE*	†	‡	*108*	*Kane*
Witte, George Arnold	*ME*	†		*1*	*Ottawa*
Wittenberg, George Hyde	*A*	†	‡	*37*	*Little Rock, Ark.*
Wittich, Fred Peter, Jr	*EE*	†	‡	*74*	*St. Louis, Mo.*
Wold, Charles Abraham	*CE*	†	‡	*72*	*Sedalia, Colo.*
Woleben, Dean Parkhurst	*CE*		‡	*67*	*Chicago Heights*
Wolf, Andrew John	*Agr*	†		*13½*	*Freeburg*
Wolf, Herman Carl	*EE*	†	‡	*74*	*Edwardsville*
Wolfe, Edna Mabel	*Mus sp*	†			*Catlin*
Wolfe, Jacob	*L*	†	‡	*16*	*Lafayette, Ind.*
Wolfe, Viola Esther	*LA*		‡		*Urbana*
Wolfe, William Sidney	*AE*	†	‡	*88*	*Urbana*
Wolff, Clarence Jacob	*LA*	†		*65*	*Springfield*
Wolter, Mitchell	*BLA*		‡		*Moline*
Woltman, Jesse John	*CE*	†		*108*	*Nokomis*
Womacks, Mabel Clara	*LA*	†		*33*	*Champaign*

Wong, Tuck Ting	*SS*	†		*31⅓*	*Seunning, China*
Wong, Wing-Fooe	*BLA*	†	‡	*65*	*Canton, China*
Woo, Tsing Too	*EE(S10)*	†	‡	*99*	*Chinkian, China*
Woo, Wai Shun	*Agr(S10-11)*	†	‡	*71*	*Shanghai, China*
Wood, Daniel Charles	*EE*	†	‡	*74*	*Pekin*
Wood, Harvey Aden	*SS*		‡	*8½*	*Effingham*
Wood, Harry Gardner	*EE*	†		*37*	*Jacksonville*
Wood, Harry Thomas	*LA*	†	‡	*28*	*Hennepin*
Wood, Lewis Robert	*S*	†		*79½*	*Pekin*
Wood, Otis LeRoy	*CerE*		‡		*Carthage*
Woodard, J Earle	*A*	†		*32*	*Knightstown, Ind.*
Woodcock, Edwin Wellington	*Agr*	†			*Moline*
Woodcock, Harold Richard	*EE*	†	‡	*5*	*Champaign*
Woodin, Charles Kahlke	*ME*	†		*91½*	*Rock Island*
Woodman, Florence Howard	*HSAgr*	†	‡	*64*	*Chicago*
Woodrow, Flossie Mae	*S*	†		*34*	*Urbana*
Woodruff, Arthur Eugene	*ME*	†		*13½*	*Champaign*
Woods, Ardia Geraldine	*LA*	†	‡	*80½*	*Macomb*
Woods, Frank Earley	*Agr*	†	‡	*20½*	*Springfield*
Woods, George Edward	*LA*	†	‡	*61*	*Hume*
Woods, Harry Morgan	*Agr*	†			*Orono, Me.*
Woodside, David Alexander	*ChE*		‡		*Sparta*
Woodward, Robert Franklin	*ME*	†	‡	*31*	*Sandwich*
Wooldridge, Fay Morse	*EE*	†	‡	*74*	*Gifford*
Wooley, Robert Maxwell	*CE*	†		*110*	*Chicago*
Woolman, Collett Everman	*Agr*	†	‡	*103*	*Urbana*
Woolman, Rachel Margaret	*SS*		‡	*4*	*Urbana*
Woolston, William Henry	*Md*	†	‡	*99½*	*Geneva*
Wooters, Laura Esther	*SS*	†	‡		*Taylorville*
Working, Walter Campbell	*AE*	†			*Augusta*
Worrell, Grace Lucile	*S(S10)*	†	‡	*92½*	*Bowen*
Worrell, Joseph Lloyd	*Agr*	†	‡	*84*	*Bowen*
Worrell, Laura Alice	*Mus*		‡		*Bowen*
Worrell, Mabel Fern	*LA*		‡	*80*	*Bowen*
Worsham, Walter Boatman	*EE*	†	‡	*108½*	*Paris*
Worst, Herman Julius	*SS*	†		*3⅔*	*Plainfield*
Wright, Bernice	*LA*	†	‡	*33*	*Brocton*
Wright, Burrell	*LA*		‡		*Freeport*
Wright, Charles Henry, B.S. *(Wesleyan Univ.)* 1907	*SS*	†			*McLean*
Wright, David Lester	*L*	†	‡	*27*	*Effingham*
Wright, Douglas, Jr	*A*		‡		*Decatur*
Wright, Ethel West	*Lb(LA10-11,S11)*	†	‡		*Urbana*
Wright, George Caleb	*EE(S10)*	†		*96*	*Libertyville*
Wright, George Ellery	*A*	†	‡	*130*	*Streator*
Wright, Grace May	*LA*	†		*2*	*Urbana*
Wright, John Byron	*S(S10)*	†		*130 1-6*	*Tallula*
Wright, John Edward	*EE(S10)*	†	‡	*114*	*Herscher*
Wright, Josef Franklin	*BLA*		‡		*Urbana*
Wright, Lela Mildred, Ph.B. *(Univ. Chicago)* '08	*SS*		‡	*5*	*Urbana*
Wright, Minnie Roberta	*LA*	†	‡	*32*	*Urbana*
Wright, Newton Anthony	*Agr*	†	‡	*31½*	*Shelbyville*
Wright, Raymond J	*Agr*	†		*6*	*Somonauk*
Wright, Samuel Anthony	*LA*	†	‡	*64*	*Rome, Ga.*
Wu, Chai Kao	*RME(S11)*	†	‡	*111*	*Soo Chow, China*
Wu, Hei Lui	*SS*	†		*88 1-6*	*Canton, China*
Wyant, Carl Stanley	*A*	†	‡	*38*	*Waterloo, Ia.*
Wyatt, Frank A	*Agr*		‡		*Logan, Utah*

Wyatt, Lillian Dale	*SS*		‡		*Mt. Sterling*
Wycoff, Benjamin Harrison	*EE*	†	‡	*37*	*Laura*
Wycoff, Delia	*HSAgr*		‡		*Laura*
Wyeth, Walter Heald	*A*	†		*145*	*Chicago*
Wykle, Bertha Alice	*LA*	†	‡	*37*	*Mahomet*
Wykle, Ethel Marie	*HSAgr*		‡		*Mahomet*
Wylie, Arthur Johnson	*Agr*		‡		*Utica*
Wyman, Wallace	*A*	†	‡	*73*	*Mansfield*
Wyre, Dwight Ernest	*EE(S11)*		‡	*43*	*Chicago*
Yang, Chi-Fung	*BLA(S10)*	†		*11*	*Chungking, China*
Yang, Mrs. Chi-Fung	*LA*	†		*24*	*Chungking, China*
Yapp, William Wodin	*Agr*	†		*130½*	*Champaign*
Yarwood, Stuart Kenneth	*AE*		‡		*Elgin*
Yates, Robert Raleigh	*CE(S10)*	†		*140*	*Washington, D. C.*
Yeager, Oswald Karl	*S*	†		*136½*	*Danville*
Yeager, Ralph Oscar	*AE*	†	‡	*33*	*Danville*
Yen, Chia Cheow	*S*	†	‡	*49*	*Foochow, China*
Yen, King Lau	*SS*		‡		*Canton, China*
Yensen, Trygve D, B.S., 1907	*SS*		‡		*Urbana*
Yim, Bing Jue	*ChE*	†	‡	*23*	*Canton, China*
Yin, Chuan Pong	*BLA(S10)*	†		*131*	*Suchow, China*
Yoke, John Jonathan	*Agr(S10)*	†	‡	*97*	*Acton, Ind.*
York, Estelle	*Mus sp*		‡		*Arthur*
York, Gertrude Irene	*HSLA*	†	‡	*132½*	*Hammond*
York, Mattie Agnes	*Md*	†		*136*	*Hammond*
Young, Benjamin Thomas	*A*		‡		*Rock Island*
Young, Everett Gillham	*RME*	†		*117*	*Upper Alton*
Young, Fred Russell	*EE*		‡		*Freeport*
Young, Irene Elizabeth	*HSAgr*		‡		*Champaign*
Young, Robert Gardner	*EE*	†	‡	*111*	*Harvard*
Young, Yung Yen	*Agr(S10-11)*	†	‡	*98*	*Nanziang, China*
Younglove, Clyde Charles	*CE*		‡		*Mason City, Ia.*
Youngman, Wilberd Bernard	*ME*	†	‡	*57*	*Pesotum*
Yung, Shen Yan	*SS*		‡		*Hong Kong, China*
Zearing, Louis Andrew	*L*	†		*83*	*Princeton*
Zee, Jesline Zohn	*AE*		‡		*Shanghai, China*
Zeis, Henry Charles	*SS*		‡	*8½*	*Waterloo*
Zeller, Simon	*MnE*		‡		*Brazil, Ind.*
Zeppenfeld, Eugene William	*Agr*	†	‡	*31*	*St. Louis, Mo.*
Zerbee, Leigh Francis	*RCE*	†		*142*	*Bellefontaine, O.*
Zetek, James	*S*	†		*133*	*Chicago*
Zeter, Harry Moyer	*Agr*		‡		*Lincoln*
Zetterholm, Maurice Emil	*LA*		‡		*Galesburg*
Zilly, Agnes Elizabeth	*LA*	†	‡	*56*	*Champaign*
Zimmermann, Anthony Urban	*EE*		‡		*Peoria*
Zimmerman, George John	*BLA*	†	‡	*100*	*Peoria*
Zimmerman, Robert Paul	*SS*	†	‡	*9*	*Peotone*
Zipprodt, Roy Richard	*AE*		‡		*Urbana*
Ziska, George William	*EE*		‡		*Chicago*
Zoller, Harper Filer	*Md*		‡		*Hopkinton, Ia.*
Zollinger, James Edward	*EE*		‡		*Polo*
Zook, Jacob Bloom	*EE*	†	‡	*37*	*Chicago*
Zucker, Adolf Edward	*LA*		‡		*Ft. Wayne, Ind.*

THE COLLEGE OF MEDICINE

NAME	STANDING*		RESIDENCE
	1910-11	*1911-12*	
Adams, Gordon Charles	*1*	*1*	*Newton Center, Mass.*
Adams, Mabel India	*3*	*4*	*Fontanelle, Ia.*
Adelman, Herman J	*1*	*2*	*Joliet*
Adrounie, Haroutoune	*2*	*3*	*Turkey*
Aisenstadt, Esek Albert	*3*	*4*	*Chicago*
Alden, Samuel Jacob		*2*	*Goodlettsville, Tenn.*
Aldes, Harry	*3*	*4*	*St. Paul, Minn.*
Aldridge, James Wesley	*2*	*3*	*Covington, Ind.*
Allen, Albert	*3*	*4*	*Chicago*
Alt, Roy C	*sp*		*Chicago*
Alyea, Oliver Edmond	*3*	*4*	*Earlville*
Anderson, Karl A		*1*	*Kent City, Mich.*
Anderson, Stewart Harry		*1*	*Wells, Minn.*
Androp, Serge	*3*		*Chicago*
Andrus, Ernest Earl		*1*	*Covington, Ind.*
Anspach, Benjamin	*2*	*3*	*Gifford, Mo.*
Arakelian, Senekerim Hovhannes, A.B.	*1*	*2*	*Turkey*
Armstrong, J Frank, B.S. *(Cornell Coll.)* 1900	*3*	*4*	*Marion, Ia.*
Ashbaugh, Roy Asquith		*3*	*Denver, Colo.*
Ashmore, Frank, B.S. *(Denison Univ.)* 1908		*2*	*Chicago*
Athon, Walter Cole		*1*	*Anna*
Aycock, Everett R	*2*		*Little Rock, Ark.*
Babcock, Henry Ward	*1*		*Clifton*
Baccus, Clyde Franklin	*4*		*Lewistown*
Badzmierowski, Michael	*2*	*3*	*Chicago*
Baetke, John L		*1*	*Boyden, Ia.*
Ballard, John W	*3*	*sp*	*Logansport, Ind.*
Baldirrey, Frank Cornelius	*3*		*Colon, Mich.*
Barbour, Frederick L	*4*		*Rushsylvania, O.*
Barding, Lewis D	*4*		*Pana*
Barnett, Alexander H		*1*	*Chicago*
Barnett, Irving Francis	*2*	*3*	*Chicago*
Bashur, Zerefeh E	*4*		*Tripoli, Syria*
Baskind, Nathaniel F	*2*	*3*	*Chicago*
Baxter, Harry T	*1*	*2*	*Astoria*
Beatty, Ernest G		*1*	*Jerseyville*
Beem, Ione Fisher, A.B. *(Indiana Univ.)* 1905	*2*	*3*	*Spencer, Ind.*
Beilin, Aaron M	*3*	*4*	*Chicago*
Belzig, Frederick Carl	*3*		*Chicago*
Benson, Carl Bennett		*1*	*Gibbon, Minn.*
Bernard, Lawrence Judah		*1*	*East St. Louis*
Betts, Arthur		*1*	*Mitchell, S. D.*
Beyerlein, Arthur Lewis	*3*	*4*	*Chicago*
Bishkow, Isadore Edward	*4*		*Chicago*
Blair, Charles Patton, A.B. *(Monmouth Coll.)* 1905	*3*	*4*	*Monmouth*
Bloom, Julius	*3*	*4*	*New York, N. Y.*
Bloomfield, James Henry	*2*	*3*	*Cedar Springs, Mich.*

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* Abbreviations: 1, first year; 2, second year; 3, third year; 4, fourth year; sp, special.

Blunk, Sanford M	4		*Chicago*
Boehmer, Arthur Clarence		2	*Tomah, Wis.*
Boger, Thomas Abram	2	3	*Aurora*
Boone, Cornelius Edward	4		*Zeeland, Mich.*
Bona, John J	1	2	*Chicago*
Bosworth, Ralph L	3		*Colorado*
Bowell, Roy M	1	2	*Rolling Prairie, Ind.*
Bowers, Harry Elbert	1	2	*Maiden Rock, Wis.*
Boyden, Wesley Lewis	4		*Seymour, Wis.*
Boyer, Eugene Radford	3	4	*Pontiac*
Brachvogel, Max	1	2	*Aberdeen, Wash.*
Bredlau, August Ernest	2	3	*Chicago*
Breeden, Roy Fred	3	4	*Richland Center, Wis.*
Brengle, Deane Rockhold	1	2	*Perth, Kan.*
Brinkerhoff, Cleaver H	2	3	*Dudley*
Brinckerhoff, Frank Erwin	2	3	*Mohena*
Brines, Fred Harrison	4		*West Salem*
Brodsky, Lewis L		1	*Chicago*
Broudo, Philip Harmon	1	2	*Toronto, Canada*
Brown, Dean Cassius		1	*Minneapolis, Minn.*
Brown, Edwin Mather	4		*Tacoma, Wash.*
Brown, Eugene A	1		*British Guiana*
Brown, Mamie Isabel		2	*Horner*
Brown, Ralph Emerson	4		*Iroquois*
Brown, Fitzhugh Lee	4		*Ruthsville, Va.*
Brown, William Riley	2	3	*Ogden City, Utah*
Browning, Frank Earle		4	*Perry, Kan.*
Brownfield, William Henry	sp		*Pattonville, Mo.*
Bryan, Arthur L		2	*Forest City, Ia.*
Burdon, Stephen Malcolm	2	3	*Green Bay, Wis.*
Burger, Theodore David	2	3	*Spokane, Wash.*
Burt, Clarence Edward	4		*Henry*
Butterfield, Edwin Rutherford	3	4	*Seneca*
Byford, William Holland		1	*Chicago*
Caddick, Earl	4		*Quincy*
Cahana, Stephen	4		*Pittsburgh, Pa.*
Callahan, Hubert William	4		*Garden City, Kan.*
Cameron, Marjorie Irene	2	3	*Canada*
Carberry, Francis Vincent	2	3	*Chicago*
Carls, Frederick George	1	2	*Clay Center, Kan.*
Carlson, Mabel Rosina	3	4	*Chicago*
Carnahan, William E	1	2	*Adair*
Carr, Earl Curtis		1	*Maquoketa, Ia.*
Carstensen, Albert B		1	*Waverly, Ia.*
Carter, Franklin Harick	4		*Vienna*
Casey, Clyde Lowe		3	*Marion*
Cayley, Francis Joseph	2	3	*Voss, N. D.*
Chamberlain, Klee Arthur	1		*Tonica*
Champlin, Harrison Gerald	1	2	*Chicago*
Channon, Benjamin	3	4	*Chicago*
Chatel, Arthur Narcisse	3	4	*Kearsarge, Mich.*
Chickering, George A, B.S. *(Univ. of Iowa)* 1910	3	4	*Oquawka*
Childers, William Lloyd	1	1	*Murphysboro*
Chmelik, Frank Joseph		1	*Chicago*
Christofferson, Edward Albert	3	4	*Chicago*
Cienciara, Felicia Helen		1	*Chicago*
Cipriani, John, Jr	2	3	*Chicago*
Claebol, Alfred Hanson	4		*Chicago*

Cliff, Frank Neill	2	3	*Ortonville, Minn.*
Coffler, Mayer	2	3	*Chicago*
Cohen, Abraham Aaron		sp	*Maywood*
Cohen, Joshua O	1	2	*Chicago*
Cohler, Lazarus		1	*Chicago*
Cole, La Mont	1	2	*Paris, Idaho*
Coleman, Everett Porter	2	3	*Canton*
Comes, Urban Velpert, Ph.G.	2	3	*Chicago*
Conerty, James Matthew	3	4	*Harvard*
Conley, Charles C		3	*Chicago*
Conley, Thomas Edward	1	2	*Cazenovia, Wis.*
Connor, Harry Milton, M.D.	sp		*Topeka, Kan.*
Cook, Lyman J., A. B. *(Wheaton Coll.)* 1909		3	*Wheaton*
Cook, Samuel Le Count	2	3	*Washington, D. C.*
Cooprider, Florence Virginia	1	2	*McPherson, Kan.*
Cordon, Frank M		sp	*Chicago*
Cottrell, Asher R	3	4	*North Manchester, Ind.*
Cottrell, Laura N	3	4	*North Manchester, Ind.*
Cragum, Wiley Moroni	4		*Ogden, Utah*
Cram, Walter Warren		1	*Sheldon, Ia.*
Crapple, William	3		*Chicago*
Crawford, Robert A	2	3	*Elroy, Wis.*
Cress, Walter William	3	4	*Monticello, Ind.*
Crooks, Raymond F	3	4	*Gilman*
Crouch Warner L	sp		*Chicago*
Cullen, Clement Joseph	4		*Chicago*
Culver, George A		1	*Chicago*
Curtis, John Lot, M.D.		sp	*Shelbyville, Ind.*
Cusick, George W	1	2	*Chicago Heights*
Cutler, Irwin H		1	*Chicago*
Czaja, Leo Matthew	4		*Chicago*
Czekala, Henry Joseph	4	4	*Chicago*
Czolbe, Selma Olga	3	4	*Chicago*
Dailey, George Leslie	1		*Almena, Kan.*
Damron, John Earle	4		*Progress*
Dana, Frank Carroll	1		*Hinsdale*
Davis, Arthur	1	2	*Gloster, England*
Davis, Benjamin Franklin, M.D. *(Rust Univ.)* 1906		4	*Chicago*
Davenport, Walter Paul	4		*Appleton, Minn.*
Dawson, Albert Marcellus, A.B., M.D. *(Washburn Academy and College)* 1910, *(Kansas Medical Coll.)* 1907		sp	*Topeka, Kan.*
Dawson, Drexel Lowry	2	3	*Scotland*
Dawes, Raymond, M.D.	4		*Chicago*
Dean, Keat Brouston		1	*Salvisa, Ky.*
De Both, Edward Raymond	sp		*Green Bay, Wis.*
De Haan, Martin Ralph	1	2	*Zeeland, Mich.*
De La Bastide, Charles F.		1	*Chicago*
Del Fosse, Anthony Ferdinand	2	3	*Chicago*
Desser, Abraham Lincoln	4		*Chicago*
Delzell, David Deronda	3	4	*Logansport, Ind.*
Devereaux, Richard L	2		*Wheeling, W. Va.*
Devers, William Elijah Moore	1	2	*Mitchell, S. D.*
Dickinson, Charles C	3	4	*Des Plaines*
Di Cosola, Frank	3	4	*Chicago*
Donahoe, Stephen A	3	4	*Sioux Falls, S. D.*
Donahoe, William E	3	4	*Sioux Falls, S. D.*
Dougherty, Harrison Antonius	2	2	*Streator*

Doughty, James William		*1*	*Elroy, Wis.*
Doyle, Nicholas Murray	*4*		*Freelton, Ontario, Canada*
Dowell, Raymond F	*2*	*3*	*Pana*
Downs, Frank J	*1*		*Chicago*
Droste, James Caspar		*3*	*Grand Rapids, Mich.*
Duffner, Mary Lena	*1*		*Chicago*
Duffy, Hugh John	*4*		*Chicago*
Du Four, Emery H	*1*	*2*	*Grays Lake*
Duplantis, Arthur Lardovic	*2*	*3*	*New Orleans, La.*
Dwyer, Harry J	*3*	*4*	*Chicago*
Earl, Warren Zachary	*2*	*3*	*Ottumwa, Ia.*
Eaton, Roscoe Conkling	*1*	*2*	*Hornell, N. Y.*
Eberts, John Adam	*3*	*4*	*Lowell, Ind.*
Edwards, Clinton Alba	*2*	*3*	*Lancaster, Wis.*
Egermayer, George Washington	*4*		*Chicago*
Elliott, Loyd Albert	*4*		*Elkhart, Ind.*
Elner, Sheftel	*2*	*3*	*Chicago*
Elston, Lynn Wickwire		*1*	*Angola, Ind.*
Elvidge, Ross Edmund		*1*	*Rockford*
Encababian, Puzant Dikran		*1*	*Sivas, Turkey*
Engesather, John	*3*	*4*	*Brocket, N. D.*
Evans, William Henry	*1*	*2*	*Murphysboro*
Everett, Edgar Clifton	*1*		*Ontario, Canada*
Farley, Robert Howard	*sp*		*Chicago*
Ferguson, Alexander Donald	*3*	*4*	*Chicago*
Fertik, John Anton	*2*	*3*	*Chicago*
Filley, Georgia A		*3*	*Battle Creek, Mich.*
Fillis, Benjamin Earle		*3*	*Sutherland, Ia.*
Finsand, Victor	*2*		*Aberdeen, S. Dak.*
Fischer, Clement	*3*	*4*	*Fort Recovery, O.*
Fisk, Roscoe Roby	*3*	*4*	*Plainview, Minn.*
Fitzgerald, George Michael		*1*	*Fond du Lac, Wis.*
Fleeger, Robert Benoni	*3*	*4*	*Elwood, Ind.*
Fleishman, Abraham G	*3*	*4*	*Des Moines, Ia.*
Fleming, Samuel Clifton, A.B. *(Univ. of Chicago)* 1910		*3*	*Franklin, Tenn.*
Flexer, Howard	*3*	*4*	*Joliet*
Formosa, Anthony Carl		*1*	*Chicago*
Foults, Ray M	*4*		*Lancaster, Mo.*
Fournadjieff, Dimiter George		*1*	*Chicago*
Fouser, Chester Watson		*3*	*Canton*
Fox, Edward F	*4*		*Chicago*
Fox, Nicholas I	*1*	*2*	*Russia*
Fox, Roy Edward	*1*	*2*	*Dayton, O.*
Franchere, Chetwynd Mair		*1*	*Chicago*
Frank, Adolph Mitchell	*2*	*3*	*Livingston, Mont.*
Franke, Meta Elise		*sp*	*Milwaukee, Wis.*
Frazier, Frank V	*sp*		*Gallatin, Mo.*
Frederickson, Sophia H	*2*		*Chicago*
Freedman, Abe	*3*	*4*	*Chicago*
Freemmel, Harry Joseph	*3*	*4*	*Chicago*
Freilich, Harry Hirsch		*1*	*Chicago*
Frelich, Ellis Benjamin	*1*	*2*	*Chicago*
French, Robert Loyal	*4*		*Chicago*
Friedstein, Hugo	*1*	*2*	*Marinette, Wis.*
Friend, Harlan Downes		*2*	*Flora*
Frogner, Guy Samuel	*4*		*Waupaca, Wis.*
Frymire, William A	*2*	*3*	*Monmouth*
Fuchs, Albert	*3*	*4*	*Chicago*

Fuchsmann, Mary M	*4*		*Chicago*
Furby, Robert L	*2*	*3*	*Barrington*
Furno, John P	*4*		*Chicago*
Gage, Alan Edward	*3*	*4*	*Montrose, S. D.*
Galgano, Michael Archangel	*1*	*2*	*Chicago*
Gerow, Katherine	*3*	*4*	*Detroit, Mich.*
Gethner, Max Peter	*4*		*Chicago*
Ginsberg, Leo	*1*	*2*	*Chicago*
Glassman, Leon	*2*	*3*	*Chicago*
Gleason, Hugh Michael	*1*	*sp*	*Butte, Mont.*
Gochnaur, Orlando Merrill		*1*	*Freeport*
Golbeck, Carl Henry	*2*	*3*	*Chicago*
Goldberg, Benjamin	*1*		*Chicago*
Goldberg, Philip	*1*		*Chicago*
Goone, William N	*3*	*4*	*Chicago*
Gordon, George		*1*	*Chicago*
Gordon, John Simpson	*3*	*4*	*Waupaca, Wis.*
Gotthelf, Edward John	*1*	*2*	*Sioux Falls, S. D.*
Gottschalk, Clara Grace		*1*	*Chicago*
Gould, Harold Vogt	*3*	*4*	*Chicago*
Govig, Olaf John		*1*	*Cylinder, Ia.*
Gratzek, Thomas	*4*		*Florian, Minn.*
Graham, Reuben Wadell		*1*	*Galliopolis, O.*
Gray, Herbert W	*sp*		*Chicago*
Gray, William E	*2*		*Decatur*
Grayston, Jesse Trott	*2*	*3*	*Huntington, Ind.*
Greenberg, Louis Morris	*3*	*4*	*Lyons, Ia.*
Greene, Otto Ishmael, B.S. *(Dixon Normal School)* 1901	*3*	*4*	*New Windsor*
Greenwald, Saul Charles		*1*	*Chicago*
Gregg, William Lee, M.D.	*4*		*Chicago*
Grotowski, Leon	*2*		*Chicago*
Grubb, M W		*4*	*Trader, Ia.*
Hageman, Paul S	*2*	*3*	*Spokane, Wash.*
Hagie, Franklin Eugene, A.B., 1909	*4*		*Elizabeth*
Hahn, Frederick		*1*	*Omaha, Neb.*
Haig, Gwyn Forbes	*2*	*3*	*Le Roy*
Hakansson, Eric Gosta		*1*	*Chicago*
Halbert, Stanley K	*1*	*2*	*Springfield*
Hallberg, Charles Albert	*4*		*Stockholm, N. D.*
Halloway, Isaac H	*4*		*Chicago*
Hammond, Walter Charles	*4*		*Chicago*
Hamnet, Harold	*4*		*Chicago*
Hansen, John Harvey		*3*	*Granfield, Okla.*
Hanson, Henry Virgil	*3*	*4*	*Hutchinson, Minn.*
Hare, Carlyle	*4*		*Keystone, S. D.*
Harner, LeRoy Harold	*1*	*2*	*Buchanan, Mich.*
Harrington, Reuben J	*1*	*2*	*Bessemer, Mich.*
Harris, Lyndon Denny	*3*	*4*	*Chicago*
Harrison, Edwin Marriott, M.D.	*4*		*Chicago*
Harrison, George Wood	*4*		*Ashland, Wis.*
Harris, Urban Bunyon	*1*	*4*	*Chicago*
Hartman, Ralph Chapel		*2*	*Davis*
Hartzell, Henry Wallace	*3*	*4*	*Lemmon, S. D.*
Hass, George Albert	*4*		*Chicago*
Hatfield. Nathan Charles	*sp*		*Fostoria, O.*
Hayes, Clara Edna	*3*	*4*	*Culver, Ind.*
Hayes, Daniel Francis	*sp*		*Chicago*
Hazlett, William H		*3*	*Depew*

Heles, Peter John	1		*Dubuque, Ia.*
Hempler, Herbert George	4		*Round Knob*
Henderson, David William		sp	*Oneida, Ia.*
Henderson, John Franklin	4		*Isabel*
Hergert, Clara A	2	3	*Kenosha, Wis.*
Herpe, Gustav Goodman		1	*Chicago*
Hess, Edward	4		*Chicago*
Hiskey, George Nye, Ph.G.	1	2	*Chicago*
Hoagland, Arthur William		1	*Minneapolis, Minn.*
Hoff, Einar		1	*Chicago*
Hoffman, Goldie		1	*Chicago*
Hollender, Abraham		1	*Chicago*
Hollmers, William David		1	*Chicago*
Homman, Grace Blodgett	3	4	*La Porte, Ind.*
Houda, Rose Sophie	1	2	*Chicago*
Howard, Willard Samuel	1	2	*Rice Lake, Wis.*
Hrabrik, John H	3	4	*Murphysboro*
Hrubry, Allan Joseph	2	3	*Chicago*
Hurka, Robert	3	4	*Cedar Rapids, Ia.*
Hurst, Claude S		2	*Greencastle, Ind.*
Hussey, Bartholomew Edward	1	2	*Chicago*
Huyser, William C	4		*Zeeland, Mich.*
Ikeda, Kano	2		*Seoul, Korea*
Inks, Frank Emerson, A.B., 1903	3	4	*Ohio*
Isham, Anna Elizabeth, A.B.	2	3	*University Place, Neb.*
Jackman, Charles Bernard, Ph.G.	4		*Chicago*
Jaffe, Joseph		1	*Chicago*
Jaime, Nicholas	3	4	*Mexico*
Jeffrey, Charles Wykoff		1	*Osceola, Neb.*
Jesperson, Lydie	2	3	*Chicago*
Jesperson, Sven	2	3	*Chicago*
Jewell, Benson Mundy	3	4	*Danville*
Johnson, Carl Arthur	1	2	*Livingston, Mont.*
Johnson, Charles Harcourt	3	4	*Spring Valley, Minn.*
Johnson, Iven Godfrey		1	*Maywood*
Johnson, Swan Manford		1	*Newaygo, Mich.*
Johnson, Walter Lawrence		1	*Falls City, Neb.*
Johnston, Kenneth Laurence	1	2	*Seymour, Ia.*
Jones, Alfred Edward		1	*Chicago*
Jones, David Jimson	4		*Chicago*
Jones, Mary Jeanette		4	*Richmond, Va.*
Jones, Walter Raymond, A.B., 1910	3	4	*Redmon*
Joyce, Paul Vincent	3	4	*Chicago*
Juers, Richard Henry	1	2	*Warsaw, Wis.*
Juvinall, James Robert	1		*Potomac*
Kahn, Meyer		1	*Chicago*
Kalinowski, Nicholas	2		*Odessa, Russia*
Kane, Louis Matthew, A.B.	3		*Minot, N. Dak.*
Karch, Arthur William	3	4	*Blue Island*
Kelleher, George Francis	4		*Elkader, Ia.*
Kellner, Victor V	1	2	*Kellnersville, Wis.*
Kelly, Frank H		3	*Chicago*
Keusseff, Mrs. Neda Basil		1	*Chicago*
Kile, Ray Porter	2	3	*Rockford*
King, Ralph		sp	*Chicago*
King, Elbert Rife		1	*Pueblo, Colo.*
Kistinger, William Frederick	4		*Ranson*
Kleger, Samuel Arthur	1		*Battle Creek, Mich.*
Kleinschmit, Henry William		2	*Oshkosh, Wis.*

Knight, Howard Tallcott	2	3	*Rochelle*
Knight, Leaf Cort		1	*Sioux Falls, S. D.*
Knott, Harry	3	4	*Plymouth, Ind.*
Knutson, Elmer Herbert	1	2	*Appleton, Minn.*
Kobak, Disraeli William	2	3	*Chicago*
Kohn, Isadore E	3	4	*Chicago*
Kolvoord, Theodore	3	4	*Battle Creek, Mich.*
Kotalik, Frank Joseph	2	3	*Chicago*
Koursournis, Constantine John	2	3	*Sparta, Greece*
Kraft, Sigurd H	3	4	*Chicago*
Krasa, John Charles Matthew	2	3	*Chicago*
Kratzenstein, Louis R	3	4	*Chicago*
Krivanek, Joseph	1		*Prague, Austria*
Krolik, Giles Edward	2		*Chicago*
Kruszka, John Francis	2		*Hammond, Ind.*
Kubela, Louis Franklin		4	*Belle Plaine, Ia.*
Landau, George Milton		1	*Chicago*
Langan, Arthur John	1	2	*Chicago*
Langdon, Floyd Burdick		1	*Coleman, Wis.*
Laphan, Elah A	4		*Chicago*
Lapin, Charles Philip	2	3	*Telluride, Colo.*
Larkin, Cyril James		1	*Chicago*
La Rush, Lorne Garnett		1	*Kingston, Ont., Canada*
Laurin, Vilda S	3	4	*Quebec, Canada*
Lavreri, Jack R	3	4	*Chicago*
Leach, James Joseph	1	2	*Chicago*
Lecklider, Arlington Fay Jacob	1	2	*Chicago*
Lefkowitz, Frederick Mark		1	*Chicago*
Lenit. Oscar Sydney	1	2	*Chicago*
Lerner, Jacob		1	*Wilkesbarre, Pa.*
Levinson, Abraham	4		*Maywood*
Lewinsky, Harry	1	2	*Chicago*
Lewis, Welcome B	3	4	*Battle Creek, Mich.*
Lezama, Joseph Elias	sp		*Chicago*
Lichner, Rev. Samuel	sp		*Chicago*
Light, Leland	2	3	*Chrisman*
Lindholm, Joseph Sebastian	2	3	*Rockford*
Lindsey, Charles Elder	1	2	*Lexington*
Ling, Margaret Hie-Ding		1	*Foochow City, China*
Lipstein, Louis Ralph		1	*Chicago*
Littlefield, Edmund William	3	4	*Boyne City, Mich.*
Lobraico, Rocco V	3	4	*Chicago*
Loewe, Gilbert Martin	3	4	*Chippewa Falls, Wis.*
Logan, Ray Evan	3	4	*Elizabeth*
Lollar, Myron E	2	3	*Chicago*
Lorenz, Lynn L	3	4	*Rockford*
Lotz, Arnold Richard		sp	*St. Paul, Minn.*
Luczak, John Harry	2	3	*Chicago*
Lueders, August Henry	3	4	*Chicago*
Lukas, Christine	2	3	*Chicago*
Lungmus, Bruno		1	*Chicago*
Lutz, Carl William		1	*Ottawa*
Lyman, Horace Chauncey	1	2	*Graceville, Minn.*
Lynn, John Harrison	3	4	*Barrie, Ont., Canada*
Lyon, William Tracy	4		*Naples, N. Y.*
McCaffrey, Eugene Henry		1	*Maquoketa, Ia.*
McCann, Florence Edith		2	*Aberdeen, S. D.*
McCarthy, Ralph Rowland	4		*Chicago*
McClanahan, Benjamin Vaughn		1	*Galesburg*

McClanahan, Frank C	2	3	*Omaha, Neb.*
McCornack, Alexander Erwin	4		*Elgin*
McCornack, Eugene Andrew	2	3	*St. Paul, Minn.*
McCornack, Robert Lee		1	*Chicago*
McDonald, Justin J	1	2	*Arlington*
McGuire, Desmond F	2	3	*Ford River, Mich.*
MacKenzie, Donald	*sp*		*Ontario, Can.*
McKinley, Roscoe William	2	2	*Chicago*
McLaughlin, James Henry	1	2	*South Chicago*
McLellan, Gordon Lawrence	2	3	*Bowbells, N. D.*
McMullen, Clarence J	3	4	*Chicago*
Maccani, William Louis	1	2	*Bessemer, Mich.*
Maher, Loretta Katherine	4		*Chicago*
Maltby, Harrison Willis	3	4	*Kirksville, Mo.*
Manoogian, Krikore Manoogian, A.B. *(Euphrates Coll.)*, 1901	4		*Choonkoosh, Armenia*
Marcus, Samuel N	1	2	*Chicago*
Marks, Walker Roscoe		4	*Vinita, Okla.*
Martin, Harry Watson	3	4	*Chicago*
Martin, John Franklin	3	4	*Iowa Falls, Ia.*
Masslow, Eleanor		1	*Forest Park*
Maupin, Howard S	1	2	*Shelbina, Mo.*
Meacham, Hubert Franklin	1	2	*Oak Park*
Mershon, Joseph Ingram	3	4	*Mt. Carroll*
Meyers, Harry Albert	2	3	*Galesburg*
Michel, Carl	3	4	*Chicago*
Middleton, William D		2	*Davenport, Ia.*
Miller, Carl Ware		1	*Sterling*
Miller, Charles Edward	3	4	*Princeville*
Miller, Fred C	3	4	*Litchfield, Minn.*
Miller, Paul Morton	3	4	*Polo*
Miller, Wilmot Paul	1	2	*Milwaukee, Wis.*
Millett, Verne Harrison	2		*Graceville, Minn.*
Miner, William Henry	1	2	*Girard*
Minker, Max	1	2	*Chicago*
Mitchell, Ralph Ray		2	*Joliet*
Mitzenmacher, A	2	3	*Chicago*
Mix, Walter Spalding		1	*Beardstown*
Monaco, Salvatore R	1	2	*Chicago*
Moore, Harold H	3	4	*Martinsburg, Ia.*
Moore, Luther Remi	3	4	*McLeansboro*
Morgenroth, Frank Charles	1	2	*Milwaukee, Wis.*
Morrison, Scott D		3	*La Cygne, Kan.*
Morse, Morton Patrick		1	*Le Roy, Minn.*
Mosley, Elmer W, Ph.G	4		*Chicago*
Mueller, Walter Edwin	1	2	*Green Bay, Wis.*
Muchmic, Adolph M	4		*Chicago*
Munson, Markwood Milton		1	*Chicago*
Mundt, Gustoff H,M.D.	4		*Chicago*
Murphy, Ralph Dollahan	3	4	*St. Petersburg, Fla.*
Murphy, John Joseph	4		*Stamford, N. Y.*
Murray, Nathaniel Uriah		1	*Estrada, Costa Rico*
Nadeau, Emil George	1	2	*Marinette, Wis.*
Nadeau, Oscar Eugene		3	*Marinette, Wis.*
Nakaya, Fusa		1	*Kyota, Japan*
Nasif, Naum George	3	4	*Elmunsif, Syria*
Natvig, Gerard A	1	2	*Bricelyn, Minn.*
Neff, Emery Bowers	2	3	*Rochelle*
Nichols, Harry	2	3	*Chicago*

Nickey, Barbara Marie	*3*	*4*	*Kearney, Neb.*
Niwa, Shinichi, M.D.	*4*		*Tokyo, Japan*
Novak, Frank John	*2*	*3*	*Chicago*
Nuzum, Frank Richard		*3*	*Janesville, Wis.*
Oates, Frank John	*2*	*3*	*Fond du Lac, Wis.*
O'Brien, Wayne Paul	*4*		*Wiprud, N. D.*
O'Connor, Gordon Frank		*1*	*Antigo, Wis.*
Ochs, Arthur John		*1*	*Chicago*
Ofner, Lester Irving	*2*	*3*	*Chicago*
O'Herrin, Neal Lawrence	*3*	*4*	*Chicago*
Ohman, Arthur Robert	*2*	*3*	*Chicago*
Olsen, Oliver S	*3*	*4*	*Duluth, Minn.*
Olsen, Walter K	*3*	*4*	*Grand Rapids, Wis.*
O'Malley, John G	*3*	*4*	*Chicago*
O'Neill, Richard C	*1*		*Graceville, Minn.*
Orbison, James A	*2*	*3*	*Bellefonte, Pa.*
Osorio, Pedro F	*1*		*Queretaro, Mexico*
Ostrowski, Leonard Joseph, Ph.G.	*3*	*4*	*Hammond, Ind.*
Orzechowski, Victor	*4*		*Chicago*
Pacak, Frances		*1*	*Chicago*
Packard, Rollo K	*sp*		*Grand Rapids, Mich.*
Paine, Ruby Helen	*3*	*4*	*Marengo, Ia.*
Parke, LeRoy L	*2*	*3*	*Beresford, S. D.*
Parker, Bernard B	*3*	*4*	*Numa, Ia.*
Parmalee, Ruth A	*3*	*4*	*Battle Creek, Mich.*
Patton, Frank R	*2*	*3*	*Virden, Ill.*
Patton, Leigh Klumb	*2*	*3*	*Chicago*
Payne, Clarence Henry, A.B. *(Fisk Univ.)*, 1911		*1*	*Louisville, Ky.*
Pea, Everett H	*2*	*3*	*Decker, Ind.*
Pearce, George Clifford		*1*	*Chicago*
Pearson, Ernest B, A.B.	*2*	*3*	*Eureka*
Peattie, James Francis	*3*	*4*	*Ottawa*
Pedersen, George Nicholas		*sp*	*Chicago*
Perlstein, Morris Max	*2*	*sp*	*Chicago*
Perry, Howard Samuel	*2*	*3*	*Joliet*
Peters, Arthur J	*1*	*2*	*Greenup*
Peterson, Thorvola	*4*		*Tyler, Minn.*
Peters, Harry E	*1*	*2*	*Honolulu, Hawaii*
Peterson, Edwin	*2*		*Rockford*
Petty, Ray Humbert	*2*	*3*	*Mt. Carroll*
Phillips, Alexander H	*2*		*Ontario, Can.*
Phillips, Caro Vanaldo	*1*		*Maquoketa, Ia.*
Pierzynski, Thaddeus Stanley	*1*	*2*	*Chicago*
Pinkerton, Charles Clifford		*1*	*Pawnee City, Nebr.*
Plassman, Walter Frederick	*4*		*Granite City*
Pollard, Walter Sutton	*4*		*Evansville, Ind.*
Poorley, Alexander B		*sp*	*Chicago*
Popper, Hugo	*4*		*Chicago*
Port, Fred James	*3*	*4*	*Millbank, S. D.*
Poteet, Floyd Harry		*1*	*Pawnee City, Nebr.*
Powell, John Justin	*2*	*3*	*Winona, Minn.*
Pratt, Roscoe Wellington	*4*		*Chicago*
Radlow, James	*1*		*Chicago*
Ramos, Rafael Angelo	*2*		*Campeche, Mexico*
*Ramsey, William R	*1*		*Chicago*
Rategan, Edward Harold	*3*	*sp*	*Chicago*

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*Deceased.

Raub, James Bernard	*3*	*4*	*Spokane, Wash.*
Ray, Blake Edwin	*2*	*3*	*Cuba*
Reagan, Thomas H	*3*	*4*	*Canton*
Ream, Walter Joseph	*2*	*3*	*Peru*
Reed, Torrance	*3*	*4*	*Grand Rapids, Mich.*
Reedy, Philip Graham	*sp*		*Ft. Yates, N. D.*
Reese, Henry Peter		*1*	*Eureka, Kan.*
Reinhardt, Charles Henry		*1*	*Chicago*
Rensch, Otto Bismark	*1*	*2*	*Ottawa*
Replogle, Emma Maxwell	*1*		*Stillman Valley*
Rey, Hee Kyung		*1*	*Soon Churn, Korea*
Rhine, Arthur C	*3*	*4*	*Chicago*
Rhodes, Reuben Gilbert		*1*	*Plymouth Ind.*
Rice, Imas P	*2*	*3*	*Chicago*
Rice, Joseph R	*2*		*Chicago*
Richert, Henry	*1*	*2*	*Goessel, Kan.*
Riach, Thomas J	*4*		*Hebron, Col.*
Riley, William Joseph	*1*	*2*	*East Chicago, Ind.*
Riedel, Joachim Adolph, M.D.	*4*		*Apeldoorn, Holland*
Robbins, Budd	*3*	*4*	*Kalispell, Mont.*
Roberts, Edmund Douglas		*1*	*Dixon*
Robinson, Russell Dean	*1*	*2*	*Morgan Park*
Rogers, Fred King	*3*	*4*	*Lawrence, Kan.*
Rose, Ignatius Harold Lowen	*4*		*Chicago*
Ross, Samuel J, A.B., D.D.	*3*	*4*	*British Guiana*
Roth, Jesse Henry, A. B. *(Notre Dame Univ.)*, 1910		*1*	*Chicago*
Rowland, Delta Eulilla	*3*	*4*	*Sunnyside, Wash.*
Roy, James N	*1*	*1*	*Providence, R. I.*
Ruddick, Hobart C	*3*	*4*	*Sandoval*
Rupert, Richard R	*3*	*4*	*Nampa, Id.*
Rutkus, Susan Aldona	*4*		*Grassville, Ind.*
Sack, Ebenezer Claude	*1*	*1*	*East Mendota*
Saha, Pramathanath		*1*	*Chicago*
Salk, Robert Salem	*2*	*3*	*Chicago*
Salzman, Harry Arthur	*1*	*2*	*Chicago*
Sandall, Albin Waltmer		*1*	*North Platte, Nebr.*
Sanders, Robert Quirk, A.B. *(James Milliken Univ.)*, 1907	*4*		*Decatur*
Santos, Rufino Abriol	*2*	*3*	*Arrayat, P. I.*
Sarvela, Herman Louis	*3*	*4*	*Waukegan*
Sasko, Martin P	*3*	*4*	*Chicago*
Sathe, Marcus Roy		*1*	*Jackson, Minn.*
Sawyer, Alvah Lewis, B.S.	*2*	*3*	*Beloit, Wis.*
Schick, Frank Joseph		*1*	*Chicago*
Schiele, Richard Frederick		*1*	*Jolict*
Schiele, William Christopher	*3*	*4*	*Joliet*
Schlueter, Reinhold C	*sp*		*Chicago*
Schoenleber, Alvin	*4*		*Rockport, Mo.*
Schram, Frank Edward	*3*	*sp*	*Chicago*
Schroeder, Frederick Henry		*1*	*Chicago*
Schulberg, Peter A	*1*	*2*	*Gibbon, Minn.*
Schwartz, Harriet Cecelia	*4*		*Bessemer, Mich.*
Scott, Walter Hamilton		*2*	*Malvern, Ia.*
Segall, Isadore Sidney	*2*	*3*	*Chicago*
Seidler, Leon		*2*	*Chicago*
Seilen, Joseph	*1*	*1*	*Chicago*
Seiwell, Harry Stephenson	*2*	*3*	*Danville*
Selby, Claude A	*2*	*3*	*North Platte, Nebr.*

Senelick, Marius D	*1*	*2*	*Chicago*
Senescall, Clive Ridlon		*1*	*Ortonville, Minn.*
Seymer, Lewis August	*2*	*3*	*Milwaukee, Wis.*
Shalek, Arthur V	*1*		*Chicago*
Shapiro, Alexander Meyer	*2*		*Chicago*
Sharpe, Harve Roy	*2*	*3*	*Mill Creek, Ind.*
Sharpe, Jeremy Joseph		*1*	*Mill Creek, Ind.*
Shaynin, James	*4*		*Oak Park*
Shell, Arthur Edwin	*1*	*2*	*Clinton*
Shepard, Chester O	*3*	*4*	*Chicago*
Shipman, Frank E	*3*	*4*	*Paris*
Siewerth, Walter Scott		*1*	*Chicago*
Silverstein, Willis Irving		*1*	*Chicago*
Sima, Charles A		*3*	*Chicago*
Simmonds, Walter E	*1*	*2*	*Bristol, England*
Simmons, Lloyd Himbeaugh	*2*	*3*	*Goshen, Ind.*
Sinclair, Bessie Belle	*2*	*3*	*Charlottesville, Va.*
Slavik, Edward F	*2*	*3*	*Chicago*
Sloan, Guy Arthur		*3*	*Neosha, Mo.*
Smart, Clarence Earl	*1*	*2*	*New Lisbon, Wis.*
Smedley, Irene, A.B., M.D.		*4*	*Nashua, Ia.*
Smith, Charles Edward	*4*		*Farina*
Smith, Clarence Vernon	*2*	*3*	*Elwood, Ind.*
Smith, Dean Stanley		*1*	*River Falls, Wis.*
Smith, Floyd Albert	*2*	*3*	*Banner*
Smith, George H	*2*	*3*	*Peshtigo, Wis.*
Smith, James Royal	*3*	*4*	*Canton*
Sochat, Leon	*4*		*Chicago*
Sombito, Feliciano C	*1*	*2*	*Philippine Islands*
Sorley, Walter Vining	*3*	*4*	*Weyauwega, Wis.*
Souder, Bonnell Marie	*2*	*3*	*Auburn, Ind.*
Spalding, Oliver Rufus	*3*	*4*	*Chicago*
Spiro, Julius	*1*	*2*	*Chicago*
Staib, Henry Albert		*1*	*Bartlett*
Stauffacher, Charles J	*3*	*4*	*Chicago*
Stein, Emil James	*3*	*4*	*Chicago*
Stein, Samuel	*2*	*3*	*Chicago*
Stephenson, Benjamin G	*3*	*4*	*Toronto, Canada*
Stern, Simon		*1*	*Chicago*
Stigman, Charles W	*3*	*3*	*Chicago*
Stober, Raymond W	*4*		*Greene, Ia.*
Stokey, Fred E	*3*	*4*	*Chicago*
Stone, Leslie L	*3*	*4*	*Francesville, Ind.*
Stuart, Christopher Brown		*1*	*Springfield*
Stusser, Samuel	*3*	*4*	*Tacoma, Wash.*
Sullivan, Norman Ross	*4*		*Aspen, Col.*
Sullivan, Thomas John, Jr		*1*	*Chicago*
Sutherland, Jacob Marion		*1*	*McKinney, Tex.*
Sutter, Rose Irene	*4*		*Crookston, Minn.*
Swackhamer, Walter B	*1*	*2*	*Union, Ore.*
Swanberg, W Harold		*sp*	*Chicago*
Syverson, Bion Claude		*1*	*Westby, Wis.*
Talbot, Edwin Robert		*1*	*Joliet*
Tananevitz, Anton J	*1*	*sp*	*Chicago*
Taylor, Ross O	*3*	*4*	*Havana*
Thiell, James Edward		*1*	*Fond du Lac, Wis.*
Thomas, Colin G	*4*		*Monticello, Ia.*
Thomas, Eldora Alice, B.S. *(Cornell Coll.)*, 1908	*2*	*3*	*Greene, Ia.*

Thomas, Elmer Merrill	*1*	*2*	*Big Rock*
Thompson, Alvin	*3*	*4*	*Chicago*
Thompson, Rollin D	*1*	*2*	*Black River Falls, Wis.*
Tillmanns, Ernest		*sp*	*Sigourney, Ia.*
Timm, Harry Emil Louis		*1*	*Hammond, Ind.*
Towles, Henry Howard	*2*	*3*	*Mt. Vernon, Tex.*
Traxler, Paul Scoville	*1*	*2*	*Hartford, Mich.*
Trentzsch, Max William	*2*	*3*	*Dodgeville, Wis.*
Troy, Edward P	*1*	*2*	*Chicago*
Tullis, Alexander, M.D.	*4*		*Chicago*
Tupper, Harvey Willard	*2*	*3*	*Chicago*
Turner, Luther Loyal		*1*	*Elroy*
Ungherini, Vezio O	*1*	*2*	*Bessemer, Mich.*
Valentine, James Andrew	*4*		*Conrad, Ia.*
Van Deberger,Julian		*1*	*Chicago*
Vander Kloot, Albert		*1*	*Chicago*
Van Gundy, Clyde Rogers	*3*	*4*	*Rockfield, Ind.*
Van Kirk, John Albert	*1*	*2*	*Leiters Ford, Ind.*
Van Patten, Irvin Roy		*sp*	*Ogden, Utah*
Van Patten, Percival Hall		*sp*	*Ogden, Utah*
Vaughn, Willard Robert	*3*	*4*	*Covert, Mich.*
Vilna, Bretislav Lidumil	*4*		*Chicago*
Volberding, Harry Henry		*1*	*Bensonville*
Vornholt, Mark Talmage		*sp*	*Columbus, O.*
Wagner, Amanda Irene		*1*	*Delphi, Ind.*
Wagner, Charles John, A.B. *(Monmouth Coll.)*, 1905	*3*	*4*	*Belle Center, O.*
Wall, Raymond Lawrence	*2*	*3*	*Sycamore*
Wallingsford, William Jewell	*1*	*2*	*Chicago*
Walsh, Thomas Burke	*3*	*4*	*Miller, S. D.*
Wanderer, Arthur Emil August	*3*	*4*	*Chicago*
Warner, Clarence Lynn		*1*	*Payne, O.*
Watson, Willis Herbert	*2*	*3*	*Tekoa, Wash.*
Way, George Fritz, A.B., 1908	*4*		*Chicago*
Webb, Harvey E	*1*	*2*	*Aberdeen, S. D.*
Weber, Henry Ralph	*1*	*2*	*Ransom*
Weightman, Marian A		*1*	*Carpentersville*
Weil, Jerome	*2*	*3*	*Chicago*
Welch, Paul Brown	*2*	*3*	*Chicago*
Weldy, Frank M	*3*	*4*	*Muscoda, Wis.*
Wencke, Carl George	*3*	*4*	*New Castle, Ind.*
Wermuth, Arthur William	*3*	*4*	*Chicago*
Werner, Emil August	*2*	*sp*	*Beecher*
Wheelock, Warren O		*4*	*Chicago*
White, John C	*2*		*Vicksburg, Miss.*
White, Sarah Marguerite	*3*	*4*	*England*
Wieneke, Clarence Henry	*3*	*4*	*Chicago*
Wiese, Milton A	*1*	*2*	*Chicago*
Wiese, Walter Fred		*1*	*Milwaukee, Wis.*
Wiley, Charles R	*3*		*Chicago*
Willander, Alfred Arthur		*1*	*Winthrop, Minn.*
Williams, James A	*1*		*Jacksonville, Ala.*
Williamson, John C	*3*	*4*	*Talmadge, O.*
Wilson, Clyde E	*3*	*4*	*Blue Earth, Minn.*
Wilson, Franklin Samuel, Ph.G.	*4*		*Chicago*
Wilson, Henry Mason	*4*		*Magnolia*
Wilson, Roy Hitchon	*3*	*4*	*Ogden, Utah*
Wilson, Todd J	*2*	*3*	*Greenville, Mich.*
Winters, Frank Charles		*4*	*Mt. Pleasant, Ia.*
Winters, Michael Henry	*4*		*Mt. Pleasant, Ia.*

Wiseman, Claude E	1	2	*Goshen, Ind.*
Wolfram, Philip Herman, B.S. *(Univ. of Chicago)*, 1911		3	*Chicago*
Woods, Ralph Hueston, Ph.G.	2	3	*South Bend, Ind.*
Woodward, Ernest P	1	2	*Great Falls, Mont.*
Woolley, Walter A	1	2	*England*
Wurtzer, Ezra L	3	4	*Hampton, Ia.*
Young, James M	sp	sp	*Geneseo*
Zeuch, Lucius H., M.D.	4		*Chicago*
Zimmerman, Goldie Eleonora	4		*Aberdeen, S. D.*
Zugg, Clark William		3	*Bantam, O.*

THE COLLEGE OF DENTISTRY

NAME	STANDING*		RESIDENCE
	1910-11	*1911-12*	
Aberman, Samuel	1	2	*Chicago*
Allan-Martin, Eric		3	*Sydney, Australia*
Asger, Medhy Edward	2	3	*Hongkong, China*
Ashley, Spencer P	2	3	*Chicago*
Baewsky, Abraham	3		*Chicago*
Bellows, Hjalmar Nicholas	3	3	*Chicago*
Berkenstadt, Abe		1	*Chicago*
Berry, Evart B	2	3	*Pleasant Hill*
Bicknell, Gilbert Glenn	2	3	*Paxton*
Bluim, Arthur William	1	2	*Silver Lake, Wis.*
Boguslawski, Isador	sp	1	*Chicago*
Brock, Theophilus Clay	1	2	*Louisville, Ky.*
Brogmus, Ernest J P		1	*Chicago*
Brumfield, Cecil W	3		*Owensville, Ind.*
Bullen, Charles S		2	*Grand Rapids, Mich.*
Busta, Edward H	3	3	*Chicago*
Cass, Clarence H		1	*Chicago*
Castiglia, Napoleon L	3		*Chicago*
Cisar, William George		1	*Chicago*
Clarenbach, Julius F, M.D.	3		*Sundance, Wyo.*
Cohen, Gustav N		1	*La Cross, Wis.*
Collins, John Joseph		1	*Chicago*
Collins, Thomas M		1	*Joliet*
Collins, Walter F	3		*Elgin*
Coltman, Albert E	2	3	*Chicago*
Comello, Frank S	2	3	*St. Joe, Mo.*
Connor, Frank Herbert	1	2	*Hulla, Quebec*
Coverley, William E	1	2	*Jacksonville*
Czekala, John Peter	2	3	*Chicago*
Dahlberg, Edward W		1	*Chicago*
Daniels, Leo N	2	3	*Kansasville, Wis.*
DeBoer, Jelke		1	*Chicago*
Deutsch, Herman Sidney	2	3	*Chicago*
Dixon, Claude Wade	1	2	*Silver Lake, Wis.*
Doktorsky, Philip		1	*Chicago*
Eisenger, Harry	3		*Chicago*
Ericson, Andrew August	1	2	*Republic, Mich.*
Evanson, Edwin	2	3	*Chicago*
Fabbri, Jennette		2	*Chicago*

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* Abbreviations: 1, first year; 2, second year; 3, third year; sp, special.

Farber, Abe J	*3*		*Chicago*
Feuer, Morris	*1*	*2*	*Jaslo, Austria*
Finlay, Gilbert C	*3*		*Roseberg, Ore.*
Flannery, Joseph A	*2*	*3*	*Avoca, Wis.*
Fried, Irvin U	*2*	*3*	*Fountain City, Wis.*
Friedman, Bernard D	*2*	*3*	*Chicago*
Frost, Nathaniel George	*1*	*2*	*Bloomington*
Fuerstenberg, Saul		*1*	*Chicago*
Gaff, Oliver	*2*	*3*	*Tacoma, Wash.*
Gahl, Walter P	*1*		*Chicago*
Gantz, Solomon J	*2*	*3*	*Chicago*
Gilliean, Blanchard B	*1*	*2*	*Denison, Tex.*
Goldstein, Philip H	*2*	*3*	*Chicago*
Gregory, J Everett		*1*	*Chicago*
Griffin, Wilber Charles	*3*		*Cedar Rapids, Ia.*
Hagar, Winfield L	*3*		*Aurora*
Harper, William Charles		*1*	*Gilman*
Hay, Thomas R	*3*		*Chicago*
Handelman, Edward David	*3*		*Chicago*
Handelman, Henry L	*3*		*Chicago*
Henn, Elmer J	*3*		*Brocton*
Higgins, Bert Crawford	*3*	*3*	*Mason City, Ia.*
Hill, Clarence E	*1*		*Pascagola, Miss.*
Hinch, Leslie D	*1*	*2*	*Chicago*
Hobbs, George V	*1*	*2*	*Chicago*
Hoeksema, Tammo	*1*		*Leuwarden, Netherlands*
Hood, Sidney Trinholme	*2*	*3*	*Chicago*
Hurley, James J		*1*	*Chicago*
Hussey, Frank Arthur	*1*	*2*	*Des Moines, Ia.*
Hyman, Benjamin H	*3*		*Chicago*
Itatani, Tatrupi		*1*	*Tokyo, Japan*
Ito, Harry H	*2*	*3*	*Tacoma, Wash.*
Jack Albert		*1*	*Mt. Vernon*
Jacobstein, Benjamin	*3*		*Chicago*
Jahn, Harry Paul	*sp*		*Chicago*
Janicke, Charles P	*1*	*2*	*Chicago*
Jankowski, Casimir	*1*		*Buffalo, N. Y.*
Jeffrey, William Beymer		*1*	*Chicago*
Johnson, Benjamin Edwin	*3*		*St. Paul, Minn.*
Joice, John Leo	*3*		*Chicago*
Jolly, David	*3*		*Chicago*
Jordan, Benjamin A	*2*	*3*	*Chicago*
Kanief, Paul		*1*	*Chicago*
Kaplan, Jacob		*1*	*Minneapolis, Minn.*
Kasen, Herman	*3*		*Chicago*
Koetters, Edward E		*1*	*Quincy*
Kreher, Rudolph A	*3*		*Arcadia, Wis.*
Krejci, Frank	*3*		*La Porte, Ind.*
Kuperman, Adolph		*3*	*Chicago*
Ladao, Joaquin	*1*	*2*	*Zambales, P. I.*
Lager, Victor E	*3*		*Chicago*
Landin, Rogner Edward		*1*	*Chicago*
Larsen, Christian P	*3*		*Albert Lea, Minn.*
Lewis, Charles L	*3*		*Chicago*
Lewis, Roy James	*3*		*Chicago*
Lubs, Kerwin C	*3*		*Galesville, Wis.*
McCrillis, William Wallace	*2*	*3*	*Douglas, Wyo.*
McDermott, Emmett C	*3*	*3*	*Joliet*
McNulty, Cornelius F		*1*	*Elmhurst*

Mahoney, Joseph T	*1*	*1*	*Chicago*
Malkin, Max, M.D.	*2*	*3*	*Chicago*
Mann, Henry J	*2*	*3*	*Chicago*
Mann, Robert	*2*	*3*	*Chicago*
Marlay, Myron George		*1*	*La Porte, Ind.*
Marshall, Edward Guy	*1*	*2*	*Centralia*
Martin, Carl David	*3*	*3*	*Chicago*
Martin, Eric Allen	*2*		*Sydney, Australia*
Martin, Oskar Paul	*2*	*3*	*Annaburg, Ger.*
Martin, Paul	*2*		*Chicago*
Mayer, LeRoy	*3*	*3*	*Chicago*
Mennell, Alfred	*3*		*Chicago*
Mercer, Samuel	*3*		*Chicago*
Meyer, Arthur C	*2*	*3*	*Gilman*
Miles, John Isaiah	*3*		*Chicago*
Minter, John Edward	*3*		*Chicago*
Moldt, George Carl		*1*	*Chicago*
Mooney, Jerome E	*2*	*3*	*Salem, Wis.*
Moore, Max Hewitt	*3*		*Faulkton, S. D.*
Mulholland, Richard C	*3*		*Omagh, Ireland*
Nagasawa, Tomijiro	*1*	*2*	*Tokyo, Japan*
Nichols, James Alonzo	*1*	*2*	*Farmington*
Nikodem, Edward Leo	*sp*		*Chicago*
O'Hora, John Bernard		*1*	*Avoca, Wis.*
Palesa, Joseph D	*2*	*3*	*Chicago*
Patrous, Hannah E	*2*	*3*	*Turkey, Asia*
Patterson, Ira Clifton	*1*	*2*	*Monderf, Pa.*
Pecard, August	*1*	*2*	*Chicago*
Pfister, Joseph A		*1*	*Chicago*
Phillips, William Charles	*1*	*2*	*Kankakee*
Plachota, John Joseph	*1*	*2*	*Chicago*
Porath, Edla Alice	*2*	*3*	*Varina, Ia.*
Porath, Fred Edward	*3*		*Varina, Ia.*
Porter, Charles Alexander	*3*		*Calvin, N. D.*
Price, Earl E	*1*	*2*	*Greenup*
Puffer, Charles Leslie		*1*	*LaGrange*
Redman, Verner Franklin	*3*		*Chicago*
Richardson, John H	*2*		*Snyder, Tex.*
Riley, Mark James	*1*		*Kenosha, Wis.*
Roberts, Solomon H	*2*	*3*	*Chicago*
Robinson, Forest L	*1*	*2*	*Oakland, Cal.*
Rorer, Clarence		*1*	*Gilman*
Rosenberg, Samuel Harris		*1*	*Chicago*
Roth, Abraham	*2*	*3*	*Chicago*
Sandowisky, Max	*sp*		*Chicago*
Sauer, Clarence		*1*	*Amboy*
Schlies, Edward W		*1*	*Chicago*
Schoolman, Harry M	*3*		*Chicago*
Schroeder, Louis August	*3*		*Chicago*
Schwartz, Charles	*1*	*2*	*Chicago*
Schwartz, Fred F	*1*	*2*	*Chicago*
Schwartz, Michael	*1*	*2*	*Chicago*
Segall, Robert	*1*		*Chicago*
Shaffner, Herman Harold	*3*		*Chicago*
Shaffner, Nathan H	*1*		*Chicago*
Shay, Amanda Anna	*2*	*3*	*Chicago*
Shay, William George		*1*	*Chicago*
Sheahen, Edwin Joseph		*2*	*Chicago*
Sher, William V	*1*	*2*	*Chicago*

Shera, John	*3*		*Chicago*
Simmons, Corwin J		*1*	*Faulkton, S. D.*
Simonek, Anna		*1*	*Chicago*
Slaman, Corinne V	*2*	*3*	*Lennox, S. D.*
Slaman, LaMonte	*1*		*Lennox, S. D.*
Starr, Solomon Perry	*3*		*Chicago*
Stevens, Michael V	*1*		*Humboldt, S. D.*
Stevens, Milan D		*1*	*Chicago*
Stuart, Carroll W	*2*	*3*	*Traer, Ia.*
Summer, Peter David	*1*	*2*	*Metamora*
Sutherland, Lee C	*3*		*Tarkio, Mo.*
Sweeney, Clarence Anthony	*1*	*2*	*Waukesha, Wis.*
Tawney, Pliny Lane	*2*		*Chicago*
Tay, Carl David	*2*	*3*	*Chicago*
Taylor, Grover C	*1*	*2*	*Chicago*
Taylor, Herbert W		*1*	*Chicago*
Teeling, Peter J	*2*	*3*	*Philadelphia, Pa.*
Thometz, John Richard		*1*	*Chicago*
Thomson, John F	*3*		*Beaulieu, N. D.*
Tichy,Mabel		*1*	*Chicago*
Tichy, Marie		*1*	*Chicago*
Umbenhauer, Ellery		*1*	*Chicago*
Urbanek, Joseph	*3*		*Chicago*
Urbanek, Mamie J	*3*		*Chicago*
Van der Ven, John		*3*	*Grand Haven, Mich.*
Van Teslaar, Adolphe S	*3*		*Chicago*
Vladimir, Jelen		*1*	*Chicago*
Watkins, Carl L	*3*		*Chicago*
Watterson, James S		*1*	*Chicago*
Wieland, Henry J	*3*		*Chicago*
Zajicek, Edwin C		*1*	*Chicago*
Zwisler, J Albert		*1*	*Chicago*

THE SCHOOL OF PHARMACY

NAME	COURSE*	STANDING		RESIDENCE
		1910-11	1911-12	
Addleman, Roy Comely	*P*		*sp*	*Joliet*
Almquist, Albert	*P*	*sp*		*Pecatonica*
Anderson, Adolph Emil	*P*	*2*		*Moline*
Anderson, Charles Alfred	*P*		*sp*	*Peoria*
Anderson, John Adolph	*P*		*sp*	*Two Harbors, Minn.*
Anderson, Raymond	*P*		*1*	*Americus, Kan.*
Annenberg, Samuel Charles	*PC*	*2*		*Aurora*
Arnold, Grover Cleveland	*P*		*1*	*Astoria*
Atwood, Harold	*PC*		*sp*	*Aurora*
Backus, Edwin John	*P*	*2*		*La Porte, Ind.*
Baggaley, William	*P*		*sp*	*Chicago*
Baird, Frank, Jr	*P*	*sp*	*sp*	*Harvard*
Baird, Harold Glen	*PC*	*2*		*Harvard*
Balmer, Fred Bernard	*P*	*1*	*2*	*Chicago*
Barnett, Thomas John	*P*	*1*		*Chicago*
Barsanti, Alfred John	*P*	*sp*		*Berwyn*
Basile, Frank Gabriel	*P*	*sp*		*Chicago*
Bautz, Walter	*P*		*sp*	*Chicago*
Beaman, Gertrude	*P*		*1*	*Joliet*
Beilin, Henry	*P*	*sp*	*sp*	*Chicago*

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* Abbreviations: P, Pharmacy; PC, Pharmaceutical Chemistry; 1, first year; 2, second year; sp, special.

Bender, Clarence Riess	*P*		*1*	*Shannon*
Bennett, John Gilbert	*P*		*1*	*Norris City*
Bermele, William Martin	*P*		*sp*	*Chicago*
Beyermann, Walter Edwin	*P*		*sp*	*Chicago*
Bills. George Sanford	*P*	*sp*		*Chicago*
Bixby, John Elon	*P*	*1*	*2*	*South Haven, Mich.*
Blumenschein, Harry	*P*		*1*	*Washington*
Bond, Grover Cleveland	*PC*	*1*	*P1*	*Mt. Vernon*
Bonus, Kenneth Charles	*P*	*1*	*2*	*Oak Park*
Borucki, Edward Anthony Felix	*P*		*1*	*Chicago*
Bossman, Louis Arthur	*P*	*1*	*2*	*Horicon, Wis.*
Boutte, Matthew Virgil	*PC*	*2*		*New Iberia, La.*
Bower, Clifford Jerome	*P*	*2*		*Aledo*
Bradel, Thaddeus	*PC*		*1*	*Chicago*
Bredenbeck, William Arthur	*P*	*sp*		*Quincy*
Brodd, Lawrence	*P*	*2*		*Cambridge*
Brown, Fay W	*P*		*sp*	*Springfield*
Brykowski, Frank	*P*		*sp*	*Cicero*
Buckman, George Edward	*P*		*1*	*Chicago*
Burkett, Anthony Michael	*P*		*sp*	*Springfield*
Burley, Bert Douglas	*P*	*2*		*Chicago*
Carlson, Edwin Herbert	*P*	*sp*		*DeKalb*
Carthan, William Arthur	*P*	*2*		*E. Macon, Ga.*
Carvelli, John	*P*	*2*	*2*	*Chicago*
Chapman, Harold Potter	*P*	*1*	*2*	*Chicago*
Chiprin, Samuel	*P*	*1*		*Chicago*
Churchill, George Semple	*P*	*2*		*Canton*
Civis, Matthew Joseph	*P*		*sp*	*Chicago*
Clark, Francis Edward	*P*		*1*	*Peoria*
Clark, Stanley	*P*	*2*	*PC2*	*Chicago*
Cleveland, Harold Vincent	*P*		*1*	*Grayslake*
Colson, Henry William	*PC*	*2*		*Chicago*
Cook, Albert	*P*		*1*	*Terre Haute, Ind.*
Cooke, Lawson Jacob	*P*		*1*	*Goodland, Ind.*
Cooper, Albert Ernest	*P*	*sp*		*Elgin*
Copeland, Kern Hadley	*P*	*sp*	*sp*	*Grand Junction, Colo.*
Corleto, Joseph Frank	*P*		*sp*	*Chicago*
Crawford, Abiram Lee	*PC*	*1*	*P1*	*Genoa*
Cunradi, Rudolph	*P*	*1*		*Chicago*
Curtis, Sidney Barber	*P*	*1*	*1*	*Rock Falls*
Dahms, Arthur August	*P*		*sp*	*Chicago*
Dancey, John Leonard	*P*		*sp*	*Malden*
Davenport, Royal	*P*		*1*	*Calvin*
Davidson, George Edward	*P*		*1*	*East St. Louis*
Donahue, Edward Thomas	*P*		*1*	*Chicago*
Dorjahn, John August	*P*	*1*	*2*	*Rock Island*
Driggott, Edgar William	*P*		*1*	*Chicago*
DuBois, William Bonheur	*P*		*1*	*Jonesboro, Ark.*
Eckardt, Charles Wilbert	P		*sp*	*Blue Island*
Eicher, Ben Lee	*PC*	*2*		*Chicago*
Eicholtz, Guy Wilbur	*P*	*1*	*1*	*Chicago*
Elzi, Alois Henry	*P*	*sp*		*Quincy*
Ferrer, Angelo M	*P*	*1*	*2*	*Ponce, Porto Rico*
Fick, Vern I O F	*P*	*sp*		*Chicago*
Fiedler, Walter Conrad	*P*	*sp*		*Chicago*
Fingl, Anton William	*P*	*2*		*Chicago*
Finnegan, Hugh Joseph	*P*		*sp*	*Homer*
Finnigan, James Howard	*P*	*1*	*2*	*Springfield*
Fisher, Charles John	*P*		*sp*	*Chicago*

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Fisk, Alvah Court	*P*		*1*	*Abingdon*
Fisler, Oscar	*P*		*1*	*Chicago*
Flynn, Edgar Andrew	*P*	*2*		*Bloomington*
Flynn, George	*P*	*sp*		*Hammond, Ind.*
Foote, Clifford LeRoy	*PC*	*2*		*Elgin*
Forster, Isidore Anthony	*P*	*sp*	*sp*	*Chicago*
Franke, George Edward	*P*	*2*		*Newton*
Fraser, Roy Fred	*P*		*1*	*Elizabeth*
Frelichowski, John Joseph	*P*		*sp*	*Chicago*
Frish, Otto Edmund	*P*	*sp*		*Chicago*
Galloway, Jesse H	*P*	*1*	*2*	*Chicago*
Gambell, Karl Vine	*P*		*1*	*Chicago*
Gibbs, Frank E	*P*	*1*		*Clinton, Ia.*
Gibson, Ernest Augustus	*P*		*sp*	*Richview*
Goldstein, Jacob	*P*	*1*	*2*	*Cairo, Egypt*
Goldstine, Harry	*P*		*sp*	*Chicago*
Gorny, Steven	*P*	*1*	*2*	*Chicago*
Gouwens, Peter	*P*	*1*	*1*	*Chicago*
Goveia, Lloyd	*P*	*2*		*Springfield*
Grady, John Frank	*P*	*sp*		*Rock Falls*
Gragg, Alfred Campbell	*P*		*1*	*Litchfield*
Granzig, William August	*P*	*sp*		*Chicago*
Griffin, Edward Daniel	*P*	*2*		*Chicago*
Gross, Benjamin C	*P*	*1*	*2*	*Elgin*
Gueno, William T	*P*	*1*		*Pass Christian, Miss.*
Gunthorp, James M	*P*	*1*		*Chicago*
Gustafson, Melsor Eugene	*P*		*sp*	*Chicago*
Hackler, George Roscoe	*P*		*1*	*Pekin*
Haines, Harry Edward	*P*		*1*	*Farmer City*
Halfacre, Edwin Joseph	*P*	*2*		*Columbia, Tenn.*
Hanneman, Lucas Peter	*P*		*1*	*Chicago*
Hansen, Harold Walter	*P*	*1*	*2*	*Lake Mills, Wis.*
Haralson, Lawrence Corsor	*P*		*1*	*Jackson, Tenn*
Harrell, Roy William	*P*	*1*	*2*	*Norris City*
Hart, John McDonal	*P*		*sp*	*Chicago*
Hedberg, Charles Hilding	*P*		*sp*	*Chicago*
Heidbreder, Edgar Philip	*PC*		*1*	*Quincy*
Heidbreder, Herbert Henry	*PC*	*2*		*Quincy*
Hein, Mary Rachel	*P*		*1*	*Champaign*
Helstrom, Andrew Berger	*P*	*sp*		*Chicago*
Henry, Carl John	*P*		*1*	*Aurora*
Hobart, Freedom E	*P*	*1*		*Gilman*
Holderread, George Warren	*P*		*1*	*Litchfield*
Holsclaw, Fred Harrison	*P*		*1*	*Vivian, S. Dak.*
Holtmann, Joseph Edward	*P*		*sp*	*Quincy*
Hooper, Bertram John	*P*	*2*	*2*	*Antioch*
Hourigan, Bernard James	*P*	*2*		*Smiths Falls, Ontario*
Hrejsa, Joseph Francis	*P*	*2*		*Chicago*
Hulden, Clarence Andrew	*P*		*sp*	*Chicago*
Husa, Frank	*P*		*sp*	*Chicago*
Hutton, Malcolm Lee	*P*		*1*	*Elizabeth*
Jaeger, Clayton Eugene	*P*		*sp*	*Chicago*
Janz, Ernest Theodore	*P*	*2*		*Chicago*
Johannes, Walter Charles	*P*		*sp*	*Chicago*
Johnson, Harry Ernest	*P*		*1*	*Rockford*
Johnson, Oscar William	*P*		*1*	*Chicago*
Johnson, Roy A E	*P*	*sp*		*Chicago*
Kabel, Baron Trank	*P*		*1*	*Cox, S. Dak.*
Kamm, George Erwin	*P*	*sp*		*Chicago*
Kasprzyk, Michael	*P*	*1*	*2*	*Chicago*

Katzowsky, Louis Joseph	*P*		*1*	*Chicago*
Keefrey, James Charles	*P*	*2*		*Streator*
Kepner, Paul McCulloch	*P*	*2*		*Port Royal, Pa.*
Kidd, Arthur Milne	*P*	*1*	*2*	*Chicago*
King, Edward Max	*P*		*sp*	*Chicago*
Kisner, Talmage Elzie	*P*		*1*	*Carmi*
Klein, John Paul	*P*	*sp*		*Evanston*
Knowlton, Vene	*P*		*1*	*Lake Mills, Wis.*
Koch, Harvey H	*P*	*1*		*Chicago*
Koch, Lawrence Martin	*P*	*1*	*2*	*La Porte, Ind.*
Kost, William Rush	*P*		*1*	*Astoria*
Koszuta, Max Edward	*P*		*sp*	*Chicago*
Kraemer, George Charles	*P*		*1*	*Chicago*
Krejci, John	*P*		*sp*	*Chicago*
Krupicka, Joseph	*P*		*2*	*Chicago*
Kuhn, Herbert Alexander	*P*		*sp*	*Chicago*
Landaker, Walter	*P*	*1*	*sp*	*Pontiac*
Lane, Elmer Chester	*P*		*1*	*Kankakee*
Larson, Bernard Isaac	*P*		*1*	*Chicago*
Lee, Orval Wilkie	*P*	*2*		*Decatur*
Lee, Solomon Leroy	*P*	*2*		*Chicago*
Lee, William Alexander	*P*		*1*	*Chicago*
Leib, Fred Lehman	*P*		*1*	*Bolcom*
Levinson, William Emerson	*P*		*sp*	*Chicago*
Levy, Leon Frank	*P*	*sp*		*Ottawa*
Levy, Otto Victor	*P*		*1*	*Chicago*
Lierman, Frank Henry	*P*		*sp*	*Champaign*
Lindeman, Frank Henry	*P*	*1*	*2*	*Farmer City*
Lindstrom, Reuben L	*P*	*2*		*Rock Island*
Linz, Rudolph George	*P*	*sp*	*sp*	*Quincy*
Lochbaum, Irley Solomon	*P*		*sp*	*Peoria*
Logan, Albert Wellington	*P*		*1*	*LaGrange*
Logan, Chester Arthur	*P*	*2*		*Elizabeth*
Lollar, Everett Hale	*P*		*1*	*Newton*
Long, George Archibald	*P*		*1*	*Rensselaer, Ind.*
Lower, Roy Harry	*PC*	*2*		*Cairo*
Lowery, Joseph Clayton	*P*		*1*	*Homer*
Luckiesh, Edward	*P*		*1*	*Maquoketa, Ia.*
Luedtke, Edward F C	*P*	*1*	*2*	*La Porte, Ind.*
Lukasek, Alfred Michael	*P*		*1*	*Chicago*
Lukaszewski, George Ben	*P*		*sp*	*Chicago*
Lyman, William Grover	*P*		*sp*	*Peoria*
Mackenzie, Jay Emory	*P*		*1*	*Oberlin, Kan.*
McNeill, Roy	*P*	*1*	*1*	*Herrin*
Machenheimer, Oscar John	*P*	*2*		*Shawnee, Okla.*
Maddox, Bernard Bate	*P*		*1*	*Grand Island, Nebr.*
Mankowski, Charles	*P*		*sp*	*Chicago*
Mankowski, Stanley Aloysius	*P*	*sp*		*Chicago*
Mark, Edwin John	*P*	*2*		*Chicago*
Marrs, James Bruce	*P*		*1*	*Chicago*
Martin, John F	*P*	*1*		*Chicago*
Maurer, George Walter	*P*		*sp*	*Bloomington*
Merschat, Raymond Bartholomew	*P*		*sp*	*Chicago*
Metcoff, Eli	*P*		*1*	*Chicago*
Meyer, Joseph James	*P*	*sp*		*Chicago*
Miller, David Lyman	*P*	*1*		*Carmi*
Miller, Ralph Isaac	*P*	*1*	*2*	*Grand Island, Nebr.*
Milewski, Chester A	*P*	*1*		*Chicago*
Moir, Gilbert Sylvester	*P*		*1*	*Almonte, Ontario*
Montgomery, Ernest Elmer	*P*	*2*		*Poseyville, Ind.*

Murphy, James Stanislaus	P		1	*Nokomis*
Myers, John Moran	P	sp		*Chicago*
Nelson, Frank Albert	P		sp	*Clinton, Ia.*
Nelson, John	P		1	*Bowen*
Nesnidal, Anthony	P	sp		*Chicago*
Nooner, Thompson Alexander	P	2		*Sharon, Tenn.*
Norris, Melvin Lloyd	P	sp	sp	*Berwyn*
Novak, Otto Edward	P		1	*Chicago*
O'Brian, Robert Jackson	P	sp		*Peru, Ind.*
Ostrowski, Bernice	P	2		*Hammond, Ind.*
Owen, Ernest Preston	P		2	*Anna*
Pankau, Francis Alfred	P		1	*Chicago*
Patrick, Francis Elkin	P	sp	sp	*Iola*
Patrick, Thomas Sterling	P	sp	sp	*Iola*
Pellman, Walter Herman	P	sp		*Quincy*
Picard, William L	P	1		*Valparaiso, Ind.*
Pieper, Louis Albert	P	sp		*Jacksonville*
Pokorney, Michael Adalbert	P	2		*Chicago*
Polek, Andrew	P	sp		*Chicago*
Porter, Houston	P		1	*St. Louis, Mo.*
Prendergast, Richard Joseph	P		1	*Chicago*
Prims, George	P		sp	*Chicago*
Rackaway, Alva Walter	P		1	*Mt. Vernon*
Radomski, Leo Roman	P	1		*Chicago*
Richards, William John	P		1	*Oglesby*
Rieck, Henry Thorsen	P		1	*Chicago*
Rosenbaum, Frank M	P	sp		*Champaign*
Ross, Thomas	P	2		*Coal City*
Rusch, Adalbert	P		1	*Chicago*
Sandman, Reynold Emit	P		sp	*New Vienna, Ia.*
Sarginson, Rollo Bielby	P	2		*Chesterfield*
Schildberg, Benjamin Samuel	P	2		*Mendota*
Schlosberg, Bennie Sydney	P		sp	*Chicago*
Schmeling, Carl	P		sp	*Chicago*
Schmitt, Roland G	P	1		*Warsaw*
Schreiber, Charles George	P	2		*Chicago*
Schultz, Charles John	P		1	*Chicago*
Schulz, Walter Carl	P	1	2	*Chicago*
Seibert, Virgil Frederick	P	1	2	*Ashley*
Setz, Edwin Joseph	P	2		*Lake Mills, Wis.*
Seuring, Carl Albert	P		sp	*Chicago*
Sieben, Harry Albert	P	2		*Hastings, Minn.*
Sinclair, Scott	PC	1		*Woodstock*
Smith, William Adolphus	P	2		*Joliet*
Snyder, Cloyde W	P	sp	sp	*Astoria*
Snyder, Forrest Omo	PC		1	*Chicago*
Stables, Harry Fleming	P		1	*Bethany*
Stech, Frank James	P		sp	*Chicago*
Stewart, John A	P	sp		*Chicago*
Stewart, William Luther	P	sp		*Chenoa*
Stinson, William James	P	1	2	*Hinsdale*
Stocks, Robert Harvey	P	1	2	*Chicago*
Stodden, Karl	P		sp	*Lyons, Ia.*
Stoebig, Louis E	P	1		*Chicago*
Strain, Stewart	P		1	*Chicago*
Street, Fay Gordon	P		1	*Peoria*
Stulik, George	P		1	*Chicago*
Subert, Frank James	P		sp	*Chicago*
Sullivan, William Clark	P	1		*Flanagan*
Swiecinski, Walter	P	1	2	*Chicago*

Tauber, Himen Herman	*P*	*sp*	*sp*	*Chicago*
Taylor, Harry Arthur	*P*	*sp*	*sp*	*Antioch*
Thesen, Harry J A	*P*	*sp*		*Quincy*
Tholen, Henry Frederick	*P*		*sp*	*Egan*
Thrush, James Thomas	*P*		*sp*	*Hanna City*
Tomamichel, Robert Peter	*P*		*sp*	*Quincy*
Tomaszewski, Maryan	*P*	*1*	*2*	*Hammond, Ind.*
Ton, Adrian	*P*		*1*	*Chicago*
Tristano, Michael	*P*	*sp*		*Chicago*
Uhl, Charles	*P*	*1*		*Livingston, Mont.*
Valentino, John Ludovic	*P*	*1*	*2*	*Chicago*
Vann, James Silas	*PC*		*1*	*Chicago*
Van Nugteren, Frank William	*P*	*1*		*Chicago*
Vavra, Minerva	*P*	*sp*	*sp*	*Chicago*
Veseley, Anton	*P*		*sp*	*Chicago*
Vorsanger, Lillian	*P*	*1*	*2*	*Chicago*
Wach, Charles Edward	*P*	*1*		*Chicago*
Waldo, Reginald Heber	*P*		*1*	*Grand Junction, Colo.*
Walter, George Fred	*P*		*1*	*Chicago*
Walther, Reuben William	*P*		*1*	*Peru*
Warczak, John George	*P*	*sp*		*Chicago*
Warczak, John Stanley	*P*		*sp*	*Chicago*
Warner, Alfred J	*P*	*sp*		*Springfield*
Warner, Charles M	*P*	*sp*		*Springfield*
Warzynski, Joseph Albert	*P*	*1*	*2*	*Chicago*
Watson, Lou Archibald	*P*	*2*		*Ashley*
Weaver, Joe Hastings	*P*		*1*	*Oregon*
Weiss, Henry Nathan	*P*		*1*	*Chicago*
White, Harry Arthur	*P*	*2*		*Wyoming*
White, William Sylvester	*P*	*2*		*Chicago*
Whitington, Omar Roswell	*P*		*1*	*Waldron, Ark.*
Williams, Erwin Rosswell	*P*		*1*	*Chicago*
Wisman, Ralph Illuminate	*P*	*sp*		*Quincy*
Wixsom, Lee A	*P*	*2*		*Marion, Ind.*
Wokoun, Frank	*P*		*1*	*Chicago*
Woltersdorf, Oscar	*P*		*sp*	*Chicago*
Worley, Hayden Henry	*P*	*1*	*2*	*Chicago*
Wright, William Raymond	*P*		*sp*	*Chicago*
Wruck, Otto J B	*P*	*2*		*Herscher*
Zajicek, Adolph	*P*	*2*	*1*	*Chicago*
Zarobsky, Otto Frank	*P*	*2*	*1*	*Chicago*
Zellinger, John William	*P*	*2*		*Medford, Wis.*
Zielinski, Theodore Joseph	*P*		*sp*	*Chicago*

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DEGREES CONFERRED 1911

THE UNDERGRADUATE COLLEGES

Degrees of Bachelor of Arts and Bachelor of Science

Conferred June 14, 1911

Alfred Nalle Abbott, *B.S. (CE*)*
Bayard Taylor Abbott, *B.S. (Agr†)*
Theodora Sarah Abbott, *A.B. (LA)*
William Albert Albrecht, *A.B. (LA)*
George B Allen, *B.S. (ME)*
Ray Clifford Allen, *A.B. (LA)*
William Shelby Allen, *B.S. (CE)*
William Herbert Almy, *B.S. (ME)*
Albert Wilson Ames, *B.S.*, 1909, *B.S. (EE)*
Arvid Robert Anderson, *B.S. (EE)*
Charles Thomas Anderson, *B.S. (EE)*
Clair Ellmore Anderson, *B.S. (EE)*
Russell Adams McCurdy Anderson, *B.S. (AE)*
William Cornelison Anthony, *B.S. (ME)*
Verne Linn Applegate, *A.B. (S)*
Charles Nathan Arnold, *B.S. (EE)*
Ralph Arnold, *B.S. (A)*
Alphyld Josephine Axelson, *A.B. (LA)*
Frederick Eugene Baer, *A.B. (LA)*
Florence Baird, *A.B. (LA)*
Charlotte Phelps Baker, *A.B. (LA)*
Elmer Jerome Baker, Jr, *A.B. (LA)*
Ada Lillian Baldwin, *B.S. (Agr)*
Bryant Bannister, *B.S. (ME)*
Julian Clyde Bannister, *B.S. (CE)*
Kimball Bannister, *A.B. (S)*
Jesse August Barloga, *B.S. (A)*
Nelson Rogers Barr, *B.S. (EE)*
Albert Edward Barradell, *A.B. (S)*
Sarah Anita Barrett, *A.B. (LA)*
Percy Levi Barton, *B.S. (CE)*
John Besler Bassett, *B.S. (EE)*
Frank Stanley Bauer, *B.S. (ME)*
Otto Anton Bauer, *B.S. (AE)*
Florence Gabrielle Baxter, *A.B. (S)*
Herbert Clinton Beck, *B.S. (CE)*
Howard Benjamin Beecher, *A.B. (LA)*
Joe Pope Benson, *A.B. (LA)*
Frank Stanton Benton, *B.S. (RCE)*
Adda Elizabeth Berger, *A.B. (LA)*
Louis Stewart Bernstein, *B.S. (CE)*
Thomas Milton Birney, *A.B. (LA)*
Charles Day Black, *B.S. (EE)*
Elmer Frederick Blakeslee, *B.S. (MSE)*
Helen Eva Bliss, *A.B. (LA)*
William Nicholas Bollinger, *B.S. (CE)*
Elvin Edward Boon, *B.S. (EE)*
Pavitra Kumar Bose, *A.B. (S)*
Thomas Lyle Boys, *A.B. (S)*
Elizabeth Lucinda Bradley, *A.B. (S)*
Joseph Lajus Brady, *B.S. (A)*
Ella Christine Braeuninger, *A.B. (LA)*
Ross Preston Braley, *B.S. (REE)*
Edgar Gregory Brands, *A.B. (LA)*
Strother Ambrose Briggs, *B.S. (Agr)*
Elizabeth Minerva Broaddus, *A.B. (LA)*
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Raymond Wentworth Brooks, *B.S. (CE)*
Ella Stewart Brown, *A.B. (LA)*
Hugh Alexander Brown, *B.S. (EE)*
Ralph Edgar Brown, *B.S. (Cer†)*
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Charles Antrim De Krafft Bunting, *B.S. (ME)*
Cyril Agard Burns, *A.B. (LA)*
Joe Kossuth Burns, *B.S. (EE)*
Ruth Mitchell Burns, *A.B. (LA)*
Ethel North Burrell, *A.B. (LA)*
John Little Burt, *B.S. (EE)*
Earle K Burton, *B.S. (CE)*
Laurence Vreeland Burton, *B.S. ChE†)*
Brice John Caldwell, *B.S. (EE)*
Will Carleton Caldwell, *B.S. (AE)*
Floy E Caley, *A.B. (LA)*
Mary Clellah Caley, *A.B. (LA)*
Willard Russell Camp, *A.B. (LA)*
Fremor Spencer Cannon, *B.S. (A)*
Ladislav Vaclav Capek, *B.S. (EE)*
Charles Algot Carlson, *B.S. (ME)*
Paul Carlson, *B.S. (CE)*
Harry Young Carson, *B.S. (MSE)*
Grace Challand, *A.B. (S)*
Chester Raymond Chambers, *B.S. (Agr)*
Alice Broaddus Clark, *A.B. (LA)*

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* For abbreviations for courses, see page 483.
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Clay Everett Crapnell, *B.S. (Agr)*
James Washington Cress, *B.S. (Agr)*
Preston Wirum Cummings, *B.S. (ME)*
Florence Rising Curtis, *A.B. (LA)*
Peter Dalenberg, *B.S. (AE)*
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Leon Morton Decker, *A.B. (LA)*
Emma Ethel DeWitt, *A.B. (LA)*
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Roscoe Clarke Dillavou, *A.B. (LA)*
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Robert Muratt Dunlap, *B.S. (CE)*
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Josephine Antoinette Eck, *A.B. (S)*
George Christian Edler, *B.S. (Agr)*
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Thorbjorn Kjus Enger, *B.S. (EE)*
Newton Edward Ensign, A.B. *(McKendree College)* 1905, *(Oxford Univ.)* 1908, *B.S., (CE)*
Abraham Solomon Epstein, *B.S. (CE)*
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John Warner Foley, *B.S. (EE)*
Leroy Stewart Foltz, *B.S. (EE)*
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Carlotta Marks Ford, *A.B. (S)*
Alvin Claude Foreman, *B.S. (Agr)*
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Chesley Barker Freeland, *B.S. (Agr)*
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Anton Edward Horst, _B.S. (ME)_
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June Lindley, _A.B. (LA)_
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Harry Michael, _A.B. (LA)_
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Helen Margaret Milligan, _A.B. (LA)_
Cecile Montgomery, _A.B. (LA)_
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Joseph Edward Mosiman, _B.S. (A)_
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Gustav Henry Mueller, _B.S. (MSE)_
Arthur Hiram Munch, _B.S. (EE)_
Chalmer Worch Murphy, _A.B. (LA)_

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* With thesis.

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Edna Elizabeth Neff, *A.B. (LA)*
Alonzo Beda Neininger, *B.S. (CE)*
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Rexford Newcomb, *B.S. (A)*
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Frances Robertson Ohrum, *A.B. (S)*
Clarence Eugene Olmstead, *A.B. (LA)*
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Ada Mae Paisley, *A.B. (LA)*
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Elizabeth Parr, *A.B. (LA)*
Pierre Joseph Peloquin, *B.S. (RCE)*
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Roy Ernest Pickett, *B.S. (AE)*
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Rupert John Sercombe, *B.S. (RCE)*
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Rose Smith, *A.B. (S)*
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Clark Beebe Stahl, *A.B. (S)*
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Henry Truitt, *B.S. (Agr)*
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Khoo-din Su-peh Tsiang, A.B. 1909, *B.S. (Agr)*
Bella Selma Turk, *A.B. (LA)*
Clarence Cicero Twist, *B.S. (Agr)*
John Francis Twist, *B.S. (Agr)*
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Isabel Morehouse Vandervort, *A.B. (LA)*
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Arthur Gibson Vestal, *A.B. (S*)*
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Mathilda Caroline Voss, *A.B. (LA)*
Leslie Marion Wakeley, *B.S. (Agr)*
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William Arthur Wallace, *B.S. (ME)*
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Frederick Martin William Wascher, *B.S. (Agr)*
Evart Montgomery Watkins, *B.S. (CE)*
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Orpha May Wellman, *A.B. (LA)*
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Samuel Harrie Whittum, *A.B. (LA)*
Joseph Paul Wiley, *A.B. (LA)*
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Clement Bernard Wissing, *B.S. (ME)*
Adaline Elizabeth Witt, *A.B. (S)*
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Chuan Pong Yin, *A.B. (LA*)*
Gertrude Irene York, *A.B. (LA)*
Mattie Agnes York, *A.B. (S)*
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Lawrence Arthur Glenn
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William Bluford Johnson
Frank Enoch Newlin
Hugh Richard Partridge
Claude Kerlin Rowland, A.B., 1909
Philip Ray Sesler
Ray Carlisle Sparks, A.B., 1909
LeRoy Stewart
Leon Eugene Sutherland
Arthur Van Cleve, A.B. *(James Millikin Univ.),* 1908
Gilbert Fredreick John Wagner
Chesley Matthew Walter
George Bates Weisiger
Leslie Leroy Wilbourne
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DEGREE OF DOCTOR OF LAW

Samuel Matthew Thompson, A.B., 1909

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Almeda May Holman
Martha Gertrude Jamison
Mary Ella Marks, Ph.B. *(Univ. of Chicago)* 1910
Della Frances Northey, Ph.B. *(State Univ. of Iowa)* 1898
Maud Osborne, A.B. *(Northwestern Univ.)* 1906
Carrie Cade Patton, A.B. *(Northwestern Univ.)* 1909
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Marcus Skarstedt, A.B. *(Augustana Coll.)* 1910

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Lewis Daniel Barding
Zerefeh Elias Bashur
Isadore Edward Bishkow
Sanford Milton Blunk
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Wesley Lewis Boyden
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Clarence Edward Burt
Earl Caddick
Stephen Cahana
Hubert William Callahan
Franklin Harvick Carter
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Clement Joseph Cullen
Wiley Maroni Cragun
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Walter Paul Davenport
Abraham Lincoln Desser
Nicholas Murray Doyle
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George Washington Egermayer
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Bret Lidumil Vilna
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Napoleon Leo Castiglia
Thomas M Collins
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Abraham J Farber
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Herbert Harold Schaffner
H M Schoolman
Louis A Schroeder
John A Shere
Solomon Perry Starr
Lee C Sutherland
John F Thomson
Joseph Urbanek
Mamie Jessie Urbanek
Adolphe S Van Teslaar
Carl L Watkins
Henry Justus Wieland

THE SCHOOL OF PHARMACY

Degree of Graduate in Pharmacy

Conferred April 27, 1911, in Chicago

Adolph Emil Anderson
John Berger Anderson
(Class of 1910)
Edwin John Backus
Arthur Frederick Bagge
(Class of 1910)
Roy Ernest Baker
(Class of 1910)
Carl F Bode
Clifford Jerome Bower
Matthew Virgil Boutte
Rush Arthur Brown
(Class of 1910)
Bert Douglas Burley
George S Churchill
Arthur C Corbin
(Class of 1910)
Charles Patt Eck
(Class of 1909)
Ben Lee Eicher
Anton William Fingl
Edgar Andrew Flynn
George Edward Franke
Lloyd Goveia
Edward Daniel Griffin
Edward Joseph Halfacre
Herbert Henry Heidbreder
William Arthur Herrick
(Class of 1910)
Bernard James Hourigan
Ernest Theodore Janz
James Charles Keefrey
Reuben Leonard Lindstrom
Oscar John Machenheimer
Erwin John Mark
Joseph Alfred Merrill
(Class of 1909)
Samuel May Mottar
(Class of 1910)
Albert Philip Niemeyer
(Class of 1910)
Thompson Alexander Nooner
Clarence Julius Oberg
(Class of 1909)
Henry Onno Peters
(Class of 1910)
Michael Adalbert Pokorney
Warner Edmund Purcell
(Class of 1910)
Felix James Ratajik
(Class of 1909)

Rutherford Gustavus Rosenstone
(Class of 1909)
Rollo Bielby Sarginson
Benjamin Samuel Schildberg
Charles George Schreiber
Edwin Joseph Setz
Harry Albert Sieben
William Adolphus Smith
Charles Kraus Stulik
(Class of 1909)
Lou Archibald Watson
Harry Arthur White
Otto J B Wruck
John William Zellinger

Degree of Pharmaceutical Chemist

Conferred June 10, 1911, in Chicago

Samuel Charles Anneberg
J Bryce Carpenter
(Class of 1910)
Henry William Colson
Clifford LeRoy Foote
Roy Harry Lower

THE GRADUATE SCHOOL

Degrees of Master of Arts and Master of Science

Conferred June 14, 1911

James Edward Ackert, A. B., 1909;
A.M., Zoology
Frederick Henry Adler, A. B.
(Ohio State Univ.) 1909;
A.M., German
Mamie Elizabeth Anthony, A.B.
(Greenville Coll.) 1907;
A.M., English
Vida Almeda Austin, B.S.
(Northwestern Univ.) 1908;
A.M., Education
Clarence James Baker, A.B.
(Univ. Denver) 1907;
M.S., Chemistry
Charles Anthony Barnhart, A.B., 1905;
A.M., Mathematics
Carl Joseph Bergman, A.B.
(Augustana Coll.) 1910;
A.M., German
Alida Cynthia Bowler, A.B., 1910;
A.M., Psychology
Arthur Clifton Boyce, Ph.B.
(Lafayette Coll.) 1907;
A.M., Education
Nellie Matilda Bredehoft, A.B., 1908;
A.M., English
John Myron Bryant, B.S., E.E.
(Worcester Poly. Inst.) 1901, 1909;
M.S., Elec. Engineering
Henry Alfred Burd, B.S.
(Illinois Wesleyan Univ.) 1910;
A.M., English
Claude Emauel Burgener, A.B., 1910;
A.M., Psychology
Paul Steere Burgess, B.S.
(Rhode Island State Coll.) 1910;
M.S., Chemistry
Josephine Elizabeth Burns, A.B., 1909;
A.M., Mathematics
William Ernest Carroll, B.S.
(Utah Agric. Coll.) 1909;
M.S., Animal Husbandry
Carl Christopher, B.S., 1909;
A.M., Animal Husbandry
William Adelbert Cook, A.B., 1902;
A.M., Education
William Walter Cort, A.B.
(Colorado Coll.) 1909;
A.M., Zoology
Lucile Starr Cravens, A.B.
(Lombard Coll.) 1910;
A.M., Classics
Frances Elizabeth Doan, A.B.
(Butler Coll.) 1907; *A.M., English*
Herman Douthitt, A.B.
(Univ. Oklahoma) 1910;
A.M., Zoology
Arthur Jackson Ellis, A.B., 1908;
A.M., Geology
Con C Flynn, A.B.
(Knox Coll.) 1910; *A.M., History*
Gikan Fujimura, B.S.; *M.S., Botany*
Clarence Oran Gardner, A.B., 1909;
A.M., Political Science
John Earl Gutberlet, A. B.
(Bethany Coll.) 1909;
A.M., Zoology
Leon Goldmerstein, A.B.
(St. Petersburg Univ.) 1899;
A.M., Economics
Cornelius Gouwens, B.S.
(Northwestern Univ.) 1910;
A.M., Mathematics
Nina Vivien Gresham, A.B., 1910;
A.M., Psychology
Laurence Richard Gulley, B.S.;
M.S., Electrical Engineering

Margaret Hope Hallett, A.B., 1910;
A.M., English
Paul John Hanzlik, A.B., 1908;
A.M., Chemistry
William Iverson Hargis, Jr., B.E.
(Univ. Mississippi) 1907;
M.S., Theoretical and Applied Mechanics
Lora Atkins Henion, A.B., 1907;
A.M., English
Eugene Stuart Hight, B.S., 1910;
M.S., Electrical Engineering
Edwin Frederick Hirsch, A.B.
(Northwestern Univ.) 1910;
A.M., Zoology
Arthur Carson Hobble, B.S., 1901;
M.S., Electrical Engineering
Emma Holmer, A.B.
(Knox Coll.) 1908; *A.M., English*
William Henry Hyslop, A.B.
(Knox Coll.) 1908;
A.M., Physics
Thomas McLean Jasper, B.S.;
M.S., Civil Engineering
Katherine Belle Jervis, A.B., 1907;
A.M., English
Truman Lee Kelley, A.B., 1909;
A.M., Psychology
James Thornton Kirk, A. B.
(Eureka Coll.) 1900;
A.M., Education
LeRoy Lang, B.S., 1909;
M.S., Dairy Husbandry
Wilfred Francis Langelier, B.S.
(N. Hampshire State Coll.) 1909;
M.S. Chemistry
LeRoy Lewis Little, A.B.;
A.M., English
Arthur Russell Lord, B.S., C.E.
(Univ. Maine) 1907, 1910;
M.S., Theoretical and Applied Mechanics
James Charles Lund, B.S., 1909;
M.S., Mechanical Engineering
Alfred Edwin Lussky
(Concordia Coll.) 1906;
A.M., German
Sarah Grace McMillen, A.B., 1909;
A.M., Psychology
Ruth Ellis Messenger, A.B.
(Normal Coll., City of N. Y.) 1905;
A.M., Classics
Charles Ernest Millar, B.S., 1909;
M.S., Chemistry
Walter Thompson Murdock, B.S.
(Purdue Univ.) 1907;
M.S., Chemistry
Lloyd Francis Nickell, A.B., 1909;
A.M., Chemistry
Hubert Leonard Olin, A.B.
(Univ. Iowa) 1908;
M.S., Chemistry
Rosalie Mary Parr, A.B., 1906;
A.M., Botany
Francis Marion Porter, B.S.
(Ohio Univ.) 1907; *M.S., Physics*
Ralph Sydney Potter, A.B.
(Lake Forest Coll.) 1909;
M.S., Chemistry
Clarissa Rinaker, A.B.
(Blackburn Coll.) 1903;
A.M., English
Lewis William Rupp, A.B.
(Carthage Coll.) 1910;
A.M., English
George Wallace Sears, B.S.
(Drury Coll.) 1908;
M.S., Chemistry
Bessie Estelle Shackell, A.B., 1910;
A.M., Classics
John Raymond Shulters, A.B., 1910;
A.M., French
Pinckney Freeman Smith, A.B.
(Univ. Missouri) 1909;
A.M., English
Peter Soo-Hoo, A.B.
(Leland Stanford Jr. Univ.) 1910;
M.S., Civil Engineering
Cleone Hardyn Soule, A.B.
(Miami Univ.) 1910; *A.M., French*
Elmer Ray Stahl, A.B., 1910;
A.M., History
William Henry Stallings, Jr, A.B.
(Shurtleff Coll.) 1908;
A.M., Classics
Irma Elizabeth Voigt, A.B., 1910;
A.M., German
Thomas William Walton, A.B., 1910;
A.M., Sociology
Paul Smith Welch, A.B.
(James Milliken Univ.) 1910;
A.M., Zoology
Percy Frazy Whisler, B.S.
(Drake Univ.) 1909;
A.M., Astronomy
Warren Williamson, A.B.
(Knox Coll.) 1897;
A.M., Entomology
Harry Ray Woodrow, B.S.
(Drake Univ.) 1909; *M.S., Physics*
August Frank Daniel Wussow, B.S., 1909;
M.S., Chemistry
Juedan Tun-shou Zhen, A.B., 1910;
A.M., Railway Administration, Economics

PROFESSIONAL DEGREES IN ENGINEERING

Conferred June 14, 1911

Theodore Sperry Abbott, B.S., 1877; *C.E.*
Maurice LeRoy Carr, B.S., 1905; *E.E.*
John Needles Chester, B.S., 1891; C.E., 1909; *M.E.*
Jean Paul Clayton, B.S. *(Tulane Univ.)* 1909; *M.E.*
Stanley Gardner Cutler, B.S., 1908; *C.E.*
Melvin Lorenius Enger, B.S., 1906; *C.E.*
Daniel Cleveland Faber, B.S., 1908; *E.E.*
Clarence Wilson Fiske, B.S., 1903; *M.E.*
Lloyd Garrison, B.S., 1907; *E.E.*
Carl Hays, B.S., 1901; *C.E.*
Arthur Carson Hobble, B.S., 1901; *E.E.*
Vernon Leo Hollister, B.S., 1907; *E.E.*
Louis Charles Frederick Metzger, B.S., 1905; *C.E.*
George Wellington Pickels, B.C.E. *(Univ. Kentucky)* 1904; *C.E.*
Charles Stephen Pillsbury, B.S., 1908; *M.E.*
Oscar Emil Strehlow, B.S., 1906; *C.E.*
Merle Jay Trees, B.S., 1907; *C.E.*

DEGREE OF DOCTOR OF PHILOSOPHY

Conferred June 14, 1911

Elmer Jay Brown, B.S. *(Greenville Coll.)* 1908; A.M., 1909; *Economics*
Charles Eldrid Burke, A.B. *(McMasters Univ.)* 1907; A.M., 1909; *Chemistry*
Walter Byron Gernert, B.S. *(Kansas Agric. Coll.)* 1907; M.S., 1909; *Agronomy*
George Roger LaRue, B.S. *(Doane Coll.)* 1907; A.M. *(Univ. Nebraska)* 1909; *Zoology*
Duncan Arthur MacInnes, B.S. *(Univ. Utah)* 1907; M.S., 1909; *Chemistry*
Paul Chrisler Phillips, A.B. *(Indiana Univ.)* 1909; *History*
William Warren Stifler, A.B. *(Shurtleff Coll.)* 1902; A.M., 1908; *Physics*
Ellis Bagley Stouffer, B.S. *(Drake Univ.)* 1907; M.S. *(Univ. Chicago)* 1908; *Mathematics*
Arthur Emil Swanson, A.B. *(Augustana Coll.)* 1908; A.M., 1909; *Economics*
Lent Dayton Upson, A.B. *(Univ. Wisconsin)* 1908; A.M., 1909; *Political Science*
Ching Chung Wang, Ph.B. *(Yale Univ.)* 1908; A.M., 1909; *Economics*

HONORARY DEGREES

Conferred June 14, 1911

William Eleroy Curtis, A.B., Litt.D., L.H.D., *Doctor of Laws*
Ralph Modjeski, *Doctor of Engineering*

SCHOLARSHIPS 1910, 1911, 1912

COUNTY SCHOLARSHIPS

Adams	Essel Ray Dillavou		†	*Champaign*
Adams	Charles Kay Hewes	*	†	*Quincy*
Adams	Margaret Katherine Theilen	*	†	*Camp Point*
Adams	Charles Willis Warinner	*	†	*Quincy*
Alexander	Allen Little Barnes	*	†	*Harrisburg*
Alexander	Kenneth Burman Bush	*	†	*Quincy*
Alexander	Charles Thomas Pennebaker		†	*Cairo*
Alexander	Erich Wilhelm Schwartz	*		*Cairo*
Bond	Mary Cordelia Barry	*	†	*Champaign*
Bond	Edward Adelbert Doisy	*	†	*Hume*
Bond	Mina Ducommun		†	*Oblong*
Boone	Alice Biester	*	†	*Garden Prairie*
Boone	Alexander Cohn	*	†	*Chicago*
Boone	Paul Revere Croll	*	†	*Beardstown*
Boone	Simon Aaron Schickedanz	*		*Pontiac*
Boone	Arthur Richard Warren		†	*Belvidere*
Brown	Harold Fordyce Crooks	*	†	*Chicago*
Brown	Bessie Egy	*	†	*Champaign*
Brown	Wallace Robert McConnell	*	†	*Mt. Sterling*
Brown	Everitt Ross Rinehart		†	*Champaign*
Bureau	Clarence J Anderson		†	*Princeton*
Bureau	Lula Belle Dexter	*	†	*Urbana*
Bureau	Ruth Ernest		†	*Urbana*
Bureau	Fred Richmond Powers	*	†	*Tiskilwa*
Calhoun	Henry Harrison Bartells	*	†	*Camp Point*
Calhoun	Edgar Nathan Drew	*	†	*Martinton*
Calhoun	Walter Blaine Felger	*	†	*Bement*
Carroll	Gladys Eade	*	†	*Elmhurst*
Carroll	Louis Julius Horwich	*	†	*Chicago*
Carroll	Joseph Harrison Miller		†	*Mt. Carroll*
Carroll	Oliver Hukill Naffizer	*		*Dwight*
Carroll	Cloyd Clayton Smith	*	†	*Mt. Carroll*
Cass	Donald Hammer Carter	*	†	*Champaign*
Cass	Arthur Hagener	*		*Beardstown*
Cass	Bernice Harrison	*	†	*Champaign*
Cass	Raymond Webb Parker		†	*Champaign*
Champaign	Howard Alexander Darrah		†	*Champaign*
Champaign	Elmer Franklin Heater	*		*Champaign*
Champaign	Edwin Valentine Kratz	*	†	*Champaign*
Champaign	George William Mayes	*	†	*Champaign*
Champaign	Homer Warren Phenicie	*	†	*Champaign*
Champaign	Helen Walker Webber		†	*Urbana*
Christian	John Culter	*	†	*Pana*
Christian	Albert Stevens Fry	*	†	*Urbana*

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* Scholarship 1910-11.
† Scholarship 1911-12.

Christian	James Gilbert Hollis	*		*Champaign*
Christian	William Stanton Ladd		†	*Taylorville*
Clark	Ernest Victor Allen		†	*Pana*
Clark	Olen Robert Clements	*	†	*West Union*
Clark	Willis Owen Gordon	*		*Paris*
Clark	Francis Irvin Honderich		†	*Marshall*
Clay	Clarence Earl Dickey		†	*Champaign*
Clay	Louise Wallace Garrett	*	†	*Champaign*
Clay	Leslie Arthur Kibbe	*	†	*Sullivan*
Clinton	Faye Charles Hare	*	†	*Gilman*
Clinton	Thomas Debeham Kahlert	*		*Carlyle*
Clinton	Forrest C McNary	*	†	*Martinsville*
Clinton	Wilhelma Zoe Smith		†	*Urbana*
Coles	Harland Winn Corzine	*	†	*Charleston*
Coles	Emmett Joseph Healy	*	†	*Chicago*
Coles	Arthur Caryl Kelley	*	†	*Urbana*
Cook	Milton Heckscher Froelich	*		*Chicago*
Cook	Chester Arthur Kellogg		†	*Chicago*
Cook	Lloyd Gaston Smith		†	*Chicago*
Cook	Herbert Stanley Levin Stafford	*	†	*Hubbards Wood*
Crawford	Elvin Edwards Boon	*		*Chrisman*
Crawford	Joseph Mandell Brandstetter	*	†	*Chicago*
Crawford	Arthur Everitt Holch	*	†	*Gilman*
Crawford	Caroline Luther	*	†	*Savoy*
Crawford	Bess Edna Stants		†	*Oblong*
Cumberland	Stephen Claflin	*	†	*Lombard*
Cumberland	Forrest Adison Fisher	*		*Greenup*
Cumberland	Anna Lorine Peck	*	†	*Champaign*
Cumberland	William Andrew Wagner		†	*Champaign*
DeKalb	Rowland Alonzo Avery	*		*DeKalb*
DeKalb	Viola Esther Wolfe		†	*Urbana*
DeWitt	Otto William Allen	*	†	*Clinton*
DeWitt	Arthur Ernest Burwash	*		*Savoy*
DeWitt	Merle Louis Nebel	*	†	*Clinton*
DeWitt	Marie Savage		†	*Clinton*
Douglas	Roscoe Edward Bailey	*	†	*Newman*
Douglas	Lucy Elfa Lewis	*		*Danville*
Douglas	Horace Abbott Shonle		†	*Tuscola*
Douglas	Clinton Daniel Swickard	*	†	*Newman*
Douglas	Frederic Martin William Wascher	*		*Champaign*
DuPage	Joseph Ladd Ballon	*	†	*Wheaton*
DuPage	Fred Dickerson Lewis	*	†	*Wheaton*
DuPage	Charles Claflin Rand	*	†	*Lombard*
Edgar	John Ray Gilkey		†	*Hume*
Edgar	Stanley Wallage	*	†	*Paris*
Edwards	Carl Buckler	*	†	*Metcalf*
Edwards	Orion Chester Jones		†	*Redmon*
Edwards	Edward Ross Luney	*	†	*DeKalb*
Edwards	Charles Clyde Rice	*		*Bone Gap*
Effingham	Bertha Marie Jones	*		*Champaign*
Effingham	Lambert Linnis Larson	*	†	*Mazon*
Effingham	Redick Wylie Marten	*	†	*Tolono*
Fayette	Clarence Herbert Belknap	*		*Vandalia*
Fayette	Howard Scott Davis	*		*Vandalia*
Fayette	Fred Guyon Gordon	*	†	*Vandalia*
Fayette	John Edwin Lewis	*	†	*Wheaton*
Ford	Charles Augustus Lamb	*	†	*Paxton*
Ford	Albert Frederic Lawrence	*		*Paxton*
Ford	Erwin Moses Lurie	*	†	*Chicago*

Ford	Mary Agnes Murphy	*	†	*Sullivan*
Franklin	William Earl Burns	*		*Amboy*
Franklin	Ralph John Garber	*	†	*Gibson*
Franklin	Herbert C Peterson	*	†	*Chicago*
Fulton	George Owen Cogswell	*		*Champaign*
Fulton	Florence Fern Mitchell	*	†	*Champaign*
Fulton	Ervin Ambrose Reed	*	†	*Chicago*
Fulton	Frank Harland Wilson	*	†	*Champaign*
Fulton	Barton Edward Witchell		†	*Vermont*
Gallatin	William Walter Brakefield	*		*Chrisman*
Gallatin	Charles Roy Patterson	*	†	*Sullivan*
Gallatin	Walter Richard Reitz	*	†	*Chicago*
Greene	George B Allen	*		*Roodhouse*
Greene	Vern Anton Roland	*	†	*Champaign*
Greene	Lyman Gage Wheeler	*	†	*Carrollton*
Grundy	Vernon W Haag		†	*Mazon*
Grundy	Forrest Hamilton Murray	*	†	*Mazon*
Grundy	Abraham Rossett	*		*Chicago*
Hamilton	Louis Rossett	*	†	*Chicago*
Hamilton	Harwell Cloud Thompson	*	†	*Harvey*
Hancock	Florence Gabrielle Baxter	*		*Nauvoo*
Hancock	Lester Harris Royal	*		*Mt. Vernon*
Hancock	Howard DeWitt Valentin	*	†	*Oak Park*
Hardin	Raymond Samuels Simons	*	†	*Chicago*
Hardin	Walter Charles Voss	*	†	*Chicago*
Henderson	Reuel Lhamon Smith	*	†	*Urbana*
Henderson	Claude Harrison Watts	*	†	*Saunemin*
Henry	Arthur Edwin Randall	*		*Cambridge*
Henry	Edith Irene Sendenburgh	*	†	*Champaign*
Henry	Gwinn McCoy Sparks	*	†	*Marion*
Iroquois	William Calvin Adams		†	*Watseka*
Iroquois	Lois M Harris		†	*Sheldon*
Iroquois	Frederic Lindley Morgan	*	†	*Loda*
Iroquois	Mark Albert VanDoren	*	†	*Urbana*
Jefferson	Ruth Alice Moss	*	†	*Mt. Vernon*
Jersey	Henry Raymond Tear	*	†	*Chicago*
Jo Daviess	Ambrose Carl Stahl	*	†	*Galena*
Jo Daviess	Clarence Underwood	*		*Sullivan*
Johnson	Charles R Velzey	*	†	*Harvey*
Kane	Glen David Bagley	*	†	*Elgin*
Kane	Charles John Pankow	*	†	*Elgin*
Kankakee	Everett Orren Fontaine		†	*Momence*
Kankakee	Eleanor Lucille Menck	*	†	*Kankakee*
Kankakee	Fred Horace Whittum	*		*Herscher*
Kankakee	John Edward Wright	*	†	*Herscher*
Kendall	Leo Mahlon Apgar	*	†	*Elgin*
Kendall	Martin Billmire Kugler		†	*Millington*
Kendall	Vera Jessie Snook	*		*Ottawa*
Lake	Raymond Thomas Reiley	*	†	*Waukegan*
La Salle	Seth David Abbott		†	*Sheridan*
La Salle	John Earl Black	*	†	*Mendota*
La Salle	William Summer Watson	*		*Ottawa*
Lawrence	Edward Miron Jasper	*		*Newton*
Lawrence	Frances Kirkwood	*	†	*Lawrenceville*
Lee	Charles Elmer Holley	*	†	*Franklin Grove*
Lee	Edward Allen James		†	*Amboy*
Lee	Louise Ann James	*		*Amboy*
Livingston	Emerson DeWitt Bell		†	*Pontiac*
Livingston	Ermane Bucher		†	*Pontiac*
Livingston	Orland I Ellis	*	†	*Dwight*

Livingston	Frederick John Foersterling	*		*Dwight*
Logan	Albert Angelo Applegate	*	†	*Atlanta*
Logan	Vern L Applegate	*		*Atlanta*
Logan	Everett Brunskill		†	*Pontiac*
McDonough	Ruth Mitchell Burns	*		*Macomb*
McDonough	Joseph Dale Lawyer	*	†	*Tennessee*
McHenry	Roy Edward Morris		†	*Dwight*
McLean	Claire Dillon		†	*Normal*
McLean	Leo Bethoven Hedges	*	†	*Colfax*
McLean	Henry Harrison Henline	*	†	*Colfax*
McLean	Roscoe Herman Hicks	*	†	*Colfax*
McLean	Cecille Montgomery	*		*Bloomington*
McLean	Bella Selma Turk	*		*Litchfield*
Madison	Bessie Louise Grigsby	*		*Edwardsville*
Madison	Lee Vern Matheny	*		*Chenoa*
Madison	Julius John Mojonier	*	†	*Highland*
Marion	Meda Floy Gross	*		*Atwood*
Marshall	Elmer Ellsworth Fiero	*	†	*Lacon*
Mason	Ethel Alice Ranson	*	†	*Havanna*
Mason	Wilfred Carl Sigerson	*	†	*Mason City*
Massac	Lloyd Lannes Helm	*	†	*Metropolis*
Menard	Edna Elizabeth Neff	*		*Petersburg*
Mercer	Ellena Lee	*	†	*Aledo*
Mercer	Izora Lee	*	†	*Aledo*
Mercer	John Williams Simmons, Jr	*		*Keithsburg*
Montgomery	Alva LeRoy Prickett	*	†	*Litchfield*
Montgomery	Grover Cleveland Rice	*		*Irving*
Montgomery	George Averne Telfer		†	*Litchfield*
Morgan	Paul Evangel Johnston	*	†	*Jacksonville*
Moultrie	Macdonald Charles Booze	*	†	*Sullivan*
Moultrie	Paul Chipps	*	†	*Sullivan*
Moultrie	John Edson Millizen	*	†	*Sullivan*
Moultrie	Carlyle Leeds Rhodes		†	*Lovington*
Ogle	Ralph Walter Booze	*	†	*Sullivan*
Ogle	Olive Pearl Messner	*	†	*Polo*
Ogle	James Edward Zollinger		†	*Polo*
Peoria	James Douglas Sheppard	*	†	*Peoria*
Piatt	Bessie Flosena Cline	*		*Monticello*
Piatt	Wayne Isaac Kirby	*	†	*Cerro Gordo*
Piatt	Scott Champlin Taylor	*	†	*Bement*
Pike	Amelia Louise Gay	*	†	*Rock Port*
Pike	Guy Beatty Hopkins	*	†	*New Canton*
Pike	Walter Andrew Shewhart	*	†	*New Canton*
Pike	James Gallett Willsey		†	*Pittsfield*
Pulaski	Floyd Evanston Britton	*	†	*Mounds*
Putnam	Harry Thomas Wood	*		*Hennepin*
Randolph	Miriam Gerlach	*		*Chester*
Randolph	Plascie Lafayette Schoolcraft	*	†	*Chester*
Richland	Carl Colvin	*	†	*Calhoun*
Richland	Edward Mitchell Witcher	*		*Olney*
Rock Island	Katherine Trusdell Chase	*	†	*Rock Island*
Rock Island	Frederick Arthur Hagedorn	*		*Rock Island*
Saline	Glen Christy	*	†	*Harrisburg*
Saline	Charles Leonard Morgan	*		*Champaign*
Schuyler	Lucile Belle Alexander	*	†	*Rushville*
Schuyler	Guy Benjamin Reno		†	*Browning*
Schuyler	Simon Palmer Weinberg	*	†	*Rushville*
Shelby	Curtis Vernon Metzler		†	*Strasburg*
Stark	Robert Briscoe Stonier	*		*Toulon*
Stephenson	Frank Erwin Richart	*	†	*Lena*

Tazewell	Ray Albright	*	†	*Minier*
Tazewell	Roscoe Harrison Albright	*	†	*Minier*
Tazewell	Louise M Nierstheimer	*	†	*Pekin*
Union	Edward Michael Brady		†	*Anna*
Union	Jesse Lynn Corzine	*	†	*Anna*
Vermillion	Elizabeth Gunder Beyer		†	*Danville*
Vermillion	Isaac Ray Carter	*	†	*Rossville*
Vermillion	Judd Preston Faurot	*	†	*Danville*
Vermillion	Charles Francis Ferris	*		*Danville*
Vermillion	Sarah Eula Loutzenhiser	*	†	*Danville*
Washington	Howard Hosmer	*	†	*Nashville*
Wayne	James Rubin Colbert	*	†	*Fairfield*
White	Walter Boatman Worsham	*		*Paris*
Whiteside	Edgar Paul Hermann	*	†	*Sterling*
Whiteside	Procter Albert Nowlan	*	†	*Morrison*
Whiteside	Ellis J Potter	*	†	*Morrison*
Whiteside	Emery Vern Potter		†	*Morrison*
Will	Arthur Maxwell Brunson	*	†	*Joliet*
Will	Harry Millison Gray	*		*Joliet*
Williamson	Bertha Neeley		†	*Marion*
Williamson	Oliver Runk	*		*Sterling*
Woodford	Charles William Knudsen		†	*Eureka*

GENERAL ASSEMBLY SCHOLARSHIPS

(Appointees Nominated by Members of the General Assembly)

1st District	Charles William Brayton	*		*Blue Island*
2nd District	Seymour Alexander Jacobson	*		*Chicago*
2nd District	Martin Ira Mix	*	†	*Chicago*
4th District	Walter Edwards Holmes	*	†	*Chicago*
5th District	Donald Jenks Smith	*		*Chicago*
6th District	Maraget Dupuy	*	†	*Chicago*
6th District	Harriet E Gates		†	*Chicago*
6th District	Paul Carl Henry Kircher	*	†	*Chicago*
6th District	Charles Harrison Knowles	*		*Chicago*
6th District	Leonard Victor Newton	*	†	*Chicago*
7th District	Louis Arthur Peter Harms	*		*Dalton*
7th District	Everett Samuel Lee	*	†	*Wilmette*
7th District	Arthur Leslie Myers		†	*Harvey*
7th District	Clifford Harper Wescott	*	†	*Chicago*
7th District	James Marion Whelan, Jr	*	†	*Chicago Heights*
8th District	William Frence Anderson		†	*Lake Forest*
8th District	Herbert Clinton Beck	*		*Harvard*
8th District	Edward Walter Jones	*		*Ravinia*
8th District	Isador Raffin	*	†	*Waukegan Lake*
8th District	Fred Barnum Rosencrans	*		*Waukegan*
8th District	George William Seiler	*	†	*Woodstock*
9th District	Albert Frank Westlind	*		*Chicago*
10th District	Harold Smith Bradley	*	†	*Rockford*
10th District	Clyde Frederick Weingartener		†	*Rockford*
11th District	Maurice Robert Bebb	*	†	*Chicago*
11th District	Hilding Cunard Reynold Peterson	*	†	*Chicago*
11th District	Charles Henry Thompson	*	†	*Chicago*
12th District	Charles Nathan Arnold	*		*Galena*
12th District	Ralph Leroy Hermann		†	*Stockton*
12th District	Gladys Adeline Leonard	*		*Savanna*
12th District	Earl B Stout		†	*Freeport*
13th District	Merlin Clay Aleshire	*		*Chicago*
13th District	Elmer Coffey	*	†	*Blue Island*

13th District	Frank Xavier Loeffler	*	†	*Chicago*
13th District	Raymond DeVries Stitt		†	*Morgan Park*
14th District	George L Ayers		†	*St. Charles*
14th District	Mary Anna Haan	*	†	*Aurora*
14th District	Alfred Heinzelman, Jr		†	*Aurora*
14th District	Arthur Charles Gustav Leverenez		†	*Elgin*
15th District	Gustav Fornoff	*	†	*Chicago*
15th District	Edward August Theodore Kircher	*		*Chicago*
16th District	Homer Boys Hull	*	†	*Saunemin*
16th District	Emma Augusta Krause	*	†	*Secor*
16th District	Marie Belle McCabe		†	*Pontiac*
16th District	Ralph Rays Wells	*	†	*Wenona*
17th District	Charles Gordon	*	†	*Chicago*
17th District	Leonard Krane		†	*Chicago*
17th District	George Meyer, Jr	*	†	*Chicago*
18th District	Charles H Apple		†	*Peoria*
18th District	Charles Austin Atwood	*	†	*Alta*
18th District	Arthur Louis Epstein	*	†	*Peoria*
18th District	Harry John Klotz	*	†	*Peoria*
18th District	George Lee McClelland	*	†	*Peoria*
18th District	Harry Bruce McClugage		†	*Peoria*
18th District	Frederic John Schink	*	†	*Peoria*
18th District	Edward Albert Schwing		†	*Peoria*
18th District	Nathan Cook Seidenberg	*		*Peoria*
18th District	Elmer Flonan Spitznagel	*		*Peoria*
18th District	George John Zimmerman	*	†	*Peoria*
19th District	Clarence William Fick	*	†	*Berwyn*
19th District	Arthur Lyle Israel	*	†	*Chicago*
19th District	Robert Burrell Moir	*		*Chicago*
19th District	Anton Prasil	*	†	*Berwyn*
19th District	John Francis Seifried	*	†	*Maywood*
19th District	Nicholas Cyril Sullivan		†	*Chicago*
19th District	Charles Lewis Walduck	*	†	*Chicago*
19th District	Samuel Harrie Whittum	*		*Herscher*
19th District	Harry Anthony Wiersma	*	†	*Berwyn*
20th District	Helen Mamie Dawson		†	*Morris*
20th District	Edwin Lauriz Hasker	*	†	*Kankakee*
20th District	Raymond Williams Owens	*	†	*Morris*
20th District	Frank Philip Rohrer		†	*Gilman*
20th District	Clarence Scholl	*	†	*Watseka*
20th District	Mattie Alice Sense		†	*Watseka*
20th District	Mary Etta Wills	*	†	*Watseka*
21st District	Anton Luman Clark	*		*Chicago*
21st District	Leslie Sherman Morrill	*	†	*Blue Island*
21st District	Stanley Landon Pogue	*		*Sullivan*
21st District	Carl William John Sievert	*	†	*Blue Island*
21st District	Clarence Sims		†	*Chicago*
21st District	Bruce Richard Uphouse		†	*Chicago*
22nd District	Earl K Burton	*		*Isabel*
22nd District	Roy Horning	*	†	*Paris*
22nd District	David Alonzo Loutzenhiser	*	†	*Danville*
22nd District	Nelle Perry	*	†	*Ridgefarm*
22nd District	Milton Winfield Thompson	*		*Danville*
23rd District	Thomas Wilbur Dieckmann	*	†	*Vandalia*
23rd District	Charles William Fender	*		*Westfield*
23rd District	Benjamin Julius Rappaport	*	†	*Chicago*
24th District	Albert Jay Clarkson		†	*Champaign*
24th District	John Henry Dallenbach	*	†	*Champaign*
24th District	Welsh Walker Manspeaker	*	†	*Champaign*
24th District	Carl Altgeld Metz		†	*Tolono*

24th District	John Sibert Neff	*	†	*Lovington*
24th District	John Patrick Sheay	*	†	*Bement*
24th District	Abel Ross Summers		†	*Champaign*
25th District	Louis Angelo Boettiger	*	†	*Chicago*
25th District	Francis Henri Bulot	*	†	*Chicago*
25th District	George Byron Henderson	*		*Chicago*
26th District	Walker Anderson		†	*Holder*
26th District	Howard Dexter Brown	*	†	*Chenoa*
26th District	Harry Ellsworth Codlin	*	†	*Chenoa*
26th District	Harold William Heafer		†	*Bloomington*
26th District	J Emrys Jones	*		*Chenoa*
26th District	Raymond Rudolph Lundahl	*		*Gibson City*
26th District	Gordon Frithiaf Nielson		†	*Paxton*
26th District	Frank B Richardson, Jr	*	†	*Chenoa*
26th District	Mildred Clayton Seyster	*	†	*Kempton*
27th District	Joseph Earl Huber	*		*Champaign*
27th District	David Morris Riff	*	†	*Chicago*
28th District	Blanche B Bowers		†	*Clinton*
28th District	John Warner Foley	*		*Clinton*
28th District	Leo Kurt		†	*Clinton*
28th District	Clarence Arthur Nebel		†	*Clinton*
29th District	Edward Anton Glenz	*	†	*Chicago*
30th District	Hazel Ellen Alkire	*	†	*Greenville*
30th District	Jewell Cecil Butler	*	†	*Havana*
30th District	Fred Edwin Dace	*	†	*Rushville*
30th District	Ernest Albert Rich	*		*Washington*
31st District	Helmuth Julius Kirchner		†	*Chicago*
31st District	Max Weichelt	*		*Chicago*
32nd District	Helen Daly	*		*Monmouth*
32nd District	William Leonard Frank	*	†	*Carthage*
32nd District	Charles Rush Horrell	*	†	*Macomb*
32nd District	Henry George Mengel	*		*Moline*
32nd District	Chleo James Jared Rhea		†	*Carthage*
32nd District	Anna Sophie Rogers	*		*Bushnell*
33rd District	Morton Russell Carlson	*	†	*Moline*
33rd District	Paul John Graham	*		*Aledo*
33rd District	Charles Stanley King	*		*Rock Island*
33rd District	George Henry Mengel	*	†	*Moline*
33rd District	Kenneth Dale Tilton	*	†	*Moline*
34th District	Ruth Leone Davison	*	†	*Marshall*
34th District	Hubert Morton English	*	†	*Marshall*
34th District	Hamilton Rodell Fishback	*	†	*Marshall*
34th District	Charles Tarble	*	†	*Martinsville*
35th District	George Bresnahan	*		*Sterling*
35th District	Eva Love Robertson	*	†	*Morrison*
36th District	Merle Francis Lummis	*	†	*Quincy*
36th District	Arthur Seymour Nevins	*	†	*Camp Point*
36th District	Joseph Allan Nevins	*	†	*Camp Point*
36th District	Fred Carleton Roe	*		*Quincy*
36th District	Frank Sewell Stroheker	*	†	*Barry*
37th District	Charles Prucen Barkman		†	*Princeton*
37th District	Edith Boyd		†	*Sheffield*
37th District	Roland Humphrey Boyd	*		*Sheffield*
37th District	Hugh Leon Cole		†	*Geneseo*
37th District	Richard Edward Lawson	*	†	*Kewanee*
37th District	Mayne Seguine Mason	*		*Buda*
37th District	Ross Mason	*		*Buda*
37th District	Philip Langworthy Ogden	*		*Tiskilwa*
37th District	Eckles Palmer	*		*Princeton*
37th District	George Edward Quick	*	†	*Tiskilwa*

38th District	Ralph Edgar Brown	*		*Hillsboro*
38th District	William Charles Deiss		†	*Carlinville*
38th District	Harrison Obiak Flatt	*		*Carrollton*
38th District	Elizabeth Blair Fletcher	*		*Bunker Hill*
38th District	Leslie Godfrey George		†	*Staunton*
39th District	Lawrence Henry Dunham		†	*La Salle*
39th District	Hilda Margaret Gutting	*		*Ottawa*
39th District	L D Knapp		†	*Ottawa*
39th District	Eugene Hendricks Leslie	*	†	*Ottawa*
39th District	Albert Henry Parks	*	†	*Ottawa*
39th District	Ernest Howard Pool		†	*Ottawa*
39th District	William Thomas Reace		†	*Marseilles*
39th District	James Vail Stevenson	*	†	*Streator*
40th District	Charles Thomas Anderson	*		*Taylorville*
40th District	Harry Edward Bigler		†	*Sigel*
40th District	Philip Everhart		†	*Toledo*
40th District	Elbert Neu	*		*Taylorville*
40th District	Homer Runkel	*		*Champaign*
40th District	Wayne McKenzie Stevens		†	*Taylorville*
40th District	Harry Lawson Tate	*		*Vandalia*
40th District	Harry Earl Vandeveer	*	†	*Edinburg*
41st District	George Carlyle Frazer		†	*Lockport*
41st District	Harvey Vanzandt Higley	*	†	*Glen Ellyn*
41st District	Mary Margaret Spangler	*		*Joliet*
42nd District	George Bargh	*	†	*Centralia*
42nd District	Benjamin Wham		†	*Carter*
43rd District	Harry Glenn Aldrich	*	†	*Galesburg*
43rd District	Harley Marion Butt	*	†	*Gilson*
43rd District	Charles Babcock McGrew	*	†	*Lewiston*
44th District	Edgar Gregory Brands	*		*Prairie du Rocher*
44th District	Mildred May Van Cleve	*	†	*Murphysboro*
44th District	Ernest Owens Elvain	*		*Pinckneyville*
45th District	Carl Walter Allison	*		*Olney*
45th District	Clyde Wellington Donaldson	*	†	*Springfield*
45th District	Louis Hill Gourley	*	†	*Springfield*
45th District	Clarence Jacob Wolff	*		*Springfield*
46th District	Carl Walter Allison	*	†	*Olney*
46th District	Frank Christian Fentz	*		*Olney*
46th District	Theodore Augustus Fritchey, Jr	*	†	*Olney*
46th District	Hugh Worthington Maxey	*		*Mt. Vernon*
46th District	Alfred Clarence Morgan	*		*Mt. Vernon*
46th District	John Holly Rapp		†	*Fairfield*
46th District	Peter George Rapp		†	*Fairfield*
46th District	Hubert Vincenz Stephenson	*		*Woodlawn*
47th District	Edward Franklin Gehrig		†	*Grantfork*
47th District	Oscar Roman	*	†	*Granite City*
47th District	Walter Roman, Jr	*	†	*Granite City*
47th District	Leland Stanford Stalling	*	†	*Granite City*
47th District	George Raymond Vance	*	†	*Edwardsville*
47th District	Hermann Carl Wolf	*	†	*Edwardsville*
48th District	Charles Nelson Hill	*	†	*Cave-in-Rock*
48th District	Emery Ford Holt	*	†	*Champaign*
49th District	Adolph Otto Budina	*	†	*O'Fallon*
49th District	Louis Hermann Adrian Buschman	*	†	*Belleville*
50th District	Joe Pope Benson	*		*Herrin*
50th District	Frances Robertson Ohrum	*		*Cairo*
50th District	Robert Allyn Walker	*		*Herrin*
51st District	Bertram Abney	*	†	*Harrisburg*
51st District	Beatrice Earle Deane		†	*Harrisburg*
51st District	Raymond Pola Ferrell		†	*Harrisburg*

51st District	Joseph Howard Hinshaw	*	†	*Harrisburg*
51st District	Frank Boomer Leonard, Jr	*	†	*Metropolis*
51st District	Jacob Williams Myers	*		*Harrisburg*
51st District	Lannis Alvin Parker		†	*Metropolis*
51st District	Roy Leslie Rush		†	*Metropolis*
51st District	Moodey Evart Travelstead	*		*Harrisburg*

AGRICULTURAL SCHOLARSHIPS

Adams	Ellis Dean McFarland	*	†	*Camp Point*
Adams	Lester Clyde Shupe	*		*Paloma*
Adams	George W Smith		†	*Golden*
Alexander	Cash L Allhands		†	*Watseka*
Alexander	Herbert Arthur Cate	*	†	*Camp Point*
Alexander	William Brashear Mattingly	*	†	*Cairo*
Alexander	John Richard Wells	*	†	*Harvard*
Bond	Frank Maynard Colcord	*	†	*Greenville*
Bond	Henry Eugene Ferguson		†	*Reno*
Bond	Louis Edwin Wise	*		*Beaver Creek*
Boone	Carl Oscar Krietemeyer	*		*Quincy*
Boone	Herbert George Krietemeyer	*		*Quincy*
Brown	Ralph Edgar Augustus		†	*Urbana*
Brown	Arlie Ellsworth Meatheringham	*		*Camp Point*
Bureau	John Asa Andrews		†	*Walnut*
Bureau	Robert Homer Andrews	*		*Macon*
Bureau	Albert John Herbolsheimer	*		*Princeton*
Calhoun	Walter C Armstrong		†	*Chicago*
Calhoun	Guy Henry Fisher	*		*Savoy*
Calhoun	Herbert Henry Harris	*	†	*Cairo*
Calhoun	Thurman Eric McElroy	*		*Bardolph*
Carroll	Herman Hallie Francke		†	*Mt. Carroll*
Carroll	Ross Barber Hostetter	*	†	*Mt. Carroll*
Carroll	Horace Ballou Ingalls		†	*Urbana*
Carroll	Wilbur Lee Williams	*	†	*Mt. Carroll*
Cass	Douglas Jacques Amos	*		*Cairo*
Cass	Albert Dann Siger		†	*Champaign*
Cass	Eli Horace Virgin	*	†	*Virginia*
Champaign	Don Whiteside Burnett	*		*Urbana*
Champaign	Harrison Fred Theodore Fahrnkopf	*	†	*Ivesdale*
Champaign	Fred Karl Stevens		†	*Sadorus*
Champaign	Collett Everman Woolman	*	†	*Urbana*
Christian	Marion Waldo Arterburn	*		*Mattoon*
Christian	Robert L Bentley		†	*Lockport*
Christian	Chester Raymond Chambers	*		*Pierson Station*
Christian	Warren Maxwell Sheldon	*	†	*Sharpsburg*
Clark	Arthur Ritchie Greene	*		*Lisle*
Clark	Charles Samuel LeSure	*		*Olney*
Clark	Russell Stickney Reed	*	†	*Cairo*
Clark	Cecil Raymond Sinclair	*		*Prentice*
Clark	Cornelius Zink Wilhoit		†	*Westfield*
Clay	P Earl Bloom		†	*Wheaton*
Clay	Larry Vernon Dillman	*		*Louisville*
Clay	Earl Henry Joice	*		*Chicago*
Clinton	Clarence Farnsworth Churchill		†	*Chenoa*
Clinton	Alfred LeRoy Williams	*	†	*Urbana*
Coles	Charles Henry Belting	*	†	*Charleston*
Coles	Ferdinand Hornan		†	*Mattoon*
Coles	Foy Clifton James	*		*Bushton*
Cook— 1st District	Charles Henry Grewe		†	*Chicago*

1st District	Fred Robert Thomason	*		*Chicago*
2nd District	Joseph Nathaniel Greene		†	*Chicago*
2nd District	Harold Raymond Leonard	*		*Chicago*
2nd District	Harry McLauchlan Parsons	*	†	*Chicago*
2nd District	Otto Julius Schwartz	*	†	*Maywood*
2nd District	Virgil Wescott	*	†	*Chicago*
3rd District	Charles Mateer Lobaugh	*		*Englewood*
3rd District	Carleton Stone MacCoy	*		*Morgan Park*
3rd District	Donald Bert Rich		†	*Chicago*
4th District	Robert William Hoffman		†	*Chicago*
4th District	Jay Francis Thomason	*	†	*Pullman*
4th District	Edward Fritchoff Torgerson	*		*Chicago*
5th District	Horace Schwarzkopf		†	*Chicago*
5th District	Henry Pierce Vandercook	*	†	*Austin*
6th District	Arthur Barnes Bingham		†	*Oak Park*
6th District	Harold Earl Davies	*		*Maywood*
6th District	Allen Winslow Davis	*	†	*Maywood*
6th District	Howard Rutledge McKirnan	*		*Oak Park*
7th District	Ardean Burns		†	*Chicago*
7th District	William Charles Carr	*	†	*Chicago*
7th District	Clinton Fisk Layman	*	†	*Lincoln*
8th District	Harry F Cogdall		†	*Austin*
8th District	Ralph Hoyt Vial	*	†	*LaGrange*
8th District	Victor Leonard Wasko	*	†	*Chicago*
9th District	Fraser Hale		†	*Winnetka*
9th District	Harry Eberhard Heidhues	*		*Chicago*
9th District	Axel A Lagergren	*		*Chicago*
9th District	Charles A Sieck		†	*Evanston*
10th District	William Harold Chambers		†	*Evanston*
10th District	Matthew Simpson Parkhurst	*		*Evanston*
10th District	Perrin Bailey Root	*	†	*Chicago*
Crawford	Max Czapler		†	*Chicago*
Crawford	Arthur Floyd Heck	*	†	*Oblong*
Cumberland	Lloyd R Caldwell		†	*Neoga*
Cumberland	Roy Jacob Lyons	*	†	*Greenup*
Cumberland	Leslie Marion Wakeley	*		*Harvard*
DeKalb	Benjamin Harrison Blake	*	†	*Fairdale*
DeKalb	William G Dairs		†	*Charleston*
DeWitt	Harry T Clarno		†	*Farmer City*
DeWitt	Harrison August Ruehe	*		*Waukegan*
DeWitt	William Mitchell Taylor	*	†	*Champaign*
Douglas	George Otto Maurer	*		*Virginia*
Douglas	Raymond Rollin Rehm	*	†	*Oak Park*
Douglas	Joseph Fred Romine		†	*Atwood*
DuPage	Arthur Samuel Ambrose	*		*Downers Grove*
DuPage	Cyrenius Beers, Jr	*	†	*Chicago*
DuPage	Ralph William Marshall		†	*West Chicago*
DuPage	Samuel Skemp	*	†	*Maywood*
Edgar	George Roland Brooks		†	*Urbana*
Edgar	Logan Laughlin	*		*Paris*
Edgar	Forrest H Smith	*	†	*Kansas*
Edwards	Frank Hobert Dooley	*		*Downs*
Edwards	Raymon Starr Dunham	*	†	*Chicago*
Edwards	Joseph E Feldman		†	*Morrison*
Edwards	Carls James Rohrer	*		*Canton*
Effingham	Horace Hazen		†	*Mahomet*
Effingham	Wallace Moorehead Welty	*	†	*Chicago*
Fayette	Robert Bruce Hinman		†	*Dundee*
Fayette	William Webb Wilson	*	†	*Brownstown*
Ford	Howard Orr McCracken	*	†	*Paxton*

Ford	William Seits Madden		†	*Melvin*
Franklin	George Stanley Beaumont	*	†	*Chicago*
Franklin	Henry Walter Holland		†	*Highland*
Franklin	Edward Gardiner Howe, Jr	*	†	*Chicago*
Fulton	Conrad Lee Cattron	*	†	*Ellisville*
Fulton	George Edward Gentle	*	†	*Farmington*
Fulton	Lenton Willis James		†	*Canton*
Fulton	Joseph Porter Miles	*	†	*Lewistown*
Gallatin	Elgie L Horn		†	*Streator*
Gallatin	Robert Leon Strang	*	†	*Antioch*
Greene	Ora French Foster	*	†	*White Hall*
Greene	Guy Harold Husted		†	*Roodhouse*
Greene	Wilbur Morris Kerchner	*		*Walnut*
Greene	Charles Thaddeus Meek	*	†	*Carrollton*
Grundy	Byrl A Barker	.	†	*Mazon*
Grundy	Frederic Earl Moffat	*		*Park Ridge*
Grundy	Lewis Bronson Sherrill	*		*Minooka*
Grundy	Edward Harvey Walworth	*	†	*Morris*
Hamilton	James Russell Dilworth	*	†	*Table Grove*
Hamilton	Hubert Jessen		†	*Alto Pass*
Hamilton	Joseph McNaughton Vial	*	†	*LaGrange*
Hancock	Clarence Lee Ewing	*		*Elvaston*
Hancock	Edwin Reynolds Johnson		†	*Springfield*
Hancock	William Charles Krueger	*	†	*Bowen*
Hancock	Dana Hugh Stevenson	*	†	*Elvaston*
Hardin	Chester Arthur Clark	*	†	*Carthage*
Hardin	Francis Hugh Kelley		†	*Goreville*
Hardin	Clarence Alvin Rogers	*		*Wyoming*
Henderson	Maurice Jefferson Matterson		†	*Galva*
Henderson	Paul Ray Melvin	*		*Stronghurst*
Henry	Henry Holsburg Haynes	*	†	*Geneseo*
Henry	Clyde Maurice Linsley		†	*Fairfield*
Henry	Elon Charles Magee	*	†	*Geneseo*
Iroquois	John Logan Eversole	*		*Onarga*
Iroquois	Claude Leslie Oathout	*	†	*Cissna Park*
Iroquois	Fritz Rein	*	†	*Gilman*
Iroquois	Howard Wesley Wilson		†	*Gilmore*
Jackson	John Rudolph Lobdell	*		*Carbondale*
Jackson	Harold H Lund		†	*Woodstock*
Jackson	Theodore J Rector	*	†	*Smithfield*
Jasper	William David Edwards	*		*Carrollton*
Jasper	Edwin Francis Payne		†	*Newton*
Jasper	Charles Kelso Ross	*		*Newton*
Jefferson	Howard McCormick		†	*Pawnee*
Jefferson	Clifford E Wheelock	*		*Tampico*
Jersey	Will George Holden	*		*Elgin*
Jersey	Herbert Updike Landon	*	†	*Jerseyville*
Jersey	Linn Jones Nye		†	*Harristown*
Jo Daviess	Melville Brown Carr	*	†	*Scales Mound*
Jo Daviess	William Edward Hart	*		*Brighton*
Jo Daviess	Manley Bonham Mathers	*	†	*Momence*
Jo Daviess	Arthur M Simmons		†	*Stockton*
Johnson	William Kenneth Galeener	*		*Vienna*
Johnson	John Columbus Mackey	*		*Vienna*
Johnson	LeRoy Tallman Powers	*	†	*Sterling*
Johnson	Charles B Price		†	*Vienna*
Kane	Reuben H Bean		†	*Hampshire*
Kane	Robert Percy Gage	*	†	*Elgin*
Kane	Charles Barnes Jones	*		*Aurora*
Kankakee	James Phillips Fellows	*		*Kankakee*

Kankakee	Clarence Leo Lanyan		†	*Kankakee*
Kankakee	Leslie Eugene Mathers	*	†	*Momence*
Kankakee	Edmund Clay Secor	*	†	*Carrollton*
Kendall	John Clement Knight	*	†	*Yorkville*
Kendall	Edward David McCabe		†	*Plano*
Kendall	Robert Bartello Mackay	*		*Mt. Carroll*
Kendall	Oscar August Shoger	*	†	*Oswego*
Knox	Charles Madison Hunter	*	†	*Abingdon*
Knox	Leon Wilfred Nelson		†	*Knoxville*
Knox	Henry Stuart Robson	*		*Watago*
La Salle	Alfred Allen Andrews	*		*Ottawa*
La Salle	Warner Frank Whipple		†	*Utica*
La Salle	Joseph Loyd Worrell	*	†	*Bowen*
Lawrence	Paul Norman Chase	*		*Aurora*
Lawrence	Edgar Snow	*		*Sugar Grove*
Lee	Andrew Tom Keithley	*		*Dixon*
Lee	Joseph Henry Peck		†	*Ottawa*
Livingston	Ninian Ross Burruss	*	†	*Carrollton*
Logan	Hardy Edward Council	*		*Elkhart*
Logan	Paul Miller Smith	*	†	*Lincoln*
Logan	Harry Moyer Zeter		†	*Lincoln*
McDonough	Claude Gaylord Cox	*	†	*Macomb*
McDonough	Royal Wane Ritchey		†	*Macomb*
McDonough	Ralph Reese Welch	*		*Colchester*
McHenry	Barton Slade Austin		†	*Woodstock*
McHenry	Harold Smith Cash	*		*Harvard*
McHenry	Frank Maxwell Chase	*		*Harvard*
McHenry	Clair Edwards Hay	*	†	*Ottawa*
McHenry	Russell Louis James	*		*Crystal Lake*
McLean	Andrew John Johnstone	*		*Bloomington*
McLean	Ernest Lawrence	*	†	*Hudson*
McLean	Allan Barnes Rayburn		†	*Bloomington*
Macon	John Schenk Milnes	*	†	*Decatur*
Macon	Lewis Edward Montgomery		†	*Decatur*
Macoupin	Richard Nelson Hart		†	*Brighton*
Macoupin	Ralph B Otwell	*	†	*Carlinville*
Madison	Charles William Attebury	*	†	*Hillsboro*
Madison	Irvin Julius Reinhart		†	*Alhambra*
Madison	Chester Buell Sikking	*	†	*Edwardsville*
Madison	Charles Hoeglan Stewart	*		*Godfrey*
Marion	Jesse Blankenship	*		*Iuka*
Marion	Ernest Gilmore Kinsey		†	*Centralia*
Marshall	Walter Allen Cope	*	†	*Tonti*
Marshall	Ralph Waldo French	*	†	*Magnolia*
Marshall	George R Pratt		†	*Wayne*
Marshall	Ernest Dewitt Turner	*		*Wenona*
Mason	George William Bauman	*		*Mt. Pulaski*
Mason	Everett T Buckley		†	*Kilbourne*
Mason	James Washington Cress	*		*Hillsboro*
Massac	William J Proesel		†	*Champaign*
Massac	Lyle Hanen Smith	*		*Macomb*
Menard	George Brophy Kendall	*	†	*Normal*
Menard	Cleve Kleckner Raffety		†	*Carrollton*
Mercer	Clay Everett Crapnall	*		*Joy*
Mercer	Ross Wesley Jett	*		*Hillsboro*
Mercer	Otis Hoit Lee	*		*Hamlet*
Mercer	Loyal Leonard Minor		†	*Aledo*
Mercer	Harry Danford Strong	*	†	*Keithsburg*
Monroe	James Samuel Brock	*	†	*Keithsburg*
Monroe	Wilfred Truman Fullenwider	*		*Mechanicsburg*

Monroe	Alfred Raut		†	*Hoopeston*
Montgomery	Frederick Jackson Blackburn	*	†	*Hillsboro*
Montgomery	Granville L Rigg		†	*Goldengate*
Montgomery	Rudolphus Kibbe Turner	*	†	*Butler*
Morgan	Henry Miner		†	*Waverly*
Morgan	Leroy Talmage Potter	*		*Jacksonville*
Morgan	Chester Lee Schofield	*		*Jacksonville*
Moultrie	Guy Vernon Anderson	*	†	*Chicago*
Moultrie	Chesley Barber Freeland	*		*Dalton City*
Moultrie	Josiah Campbell Hoke	*	†	*Sullivan*
Moultrie	Cecil A Hughes		†	*Gays*
Moultrie	Herbert Judson Rucker		†	*Jacksonville*
Ogle	Wilbur Jerome Carmichael	*	†	*Rochelle*
Ogle	Earl John Link	*	†	*Forreston*
Ogle	Julius A Sackrison		†	*Batavia*
Peoria	Harold Clayton Case	*	†	*Dunlap*
Peoria	Howard Harden Corbet	*		*Princeville*
Peoria	Donald Jackson Kays	*	†	*Magnolia*
Peoria	John Henry Sandmeyer		†	*Chenoa*
Perry	Edgar Luther Bill	*	†	*Normal*
Perry	Jesse Lee Statler		†	*Neponset*
Perry	Frank Turner	*	†	*Duquoin*
Piatt	Floyd Earl Mackey		†	*Monticello*
Piatt	Maxie Adam Scheffer	*		*Atwood*
Pike	Harry Truman Barber	*	†	*Pittsfield*
Pike	Alvin Claude Foreman	*		*Pittsfield*
Pike	Richard Jacob Moore		†	*Griggsville*
Pope	James Albert Hunter	*		*Peoria*
Pope	John Henry Miller	*		*Maroa*
Pope	Don Prather Stitt		†	*Williamsville*
Pulaski	Clarence Scott Anderson	*	†	*Polo*
Pulaski	John Garland Ruckel		†	*Springfield*
Pulaski	Charles Leslie Trowbridge		†	*Crete*
Putnam	Milo Donald Himes	*		*LaFayette*
Putnam	Arthur G Wilson	*		*McNabb*
Putnam	Roy H Van Buskirk		†	*Mt. Carroll*
Randolph	Frederic Robert Bickenback	*		*Freeport*
Randolph	Nathaniel Smith Vial		†	*La Grange*
Randolph	Levertt George Whitford	*	†	*Edwardsville*
Richland	Earl Clark Harter	*	†	*Wenona*
Richland	Olive Gertrude Reid		†	*Urbana*
Richmond	Darius Orendorff Mount	*		*Delavan*
Rock Island	Ernest McChesney Clark	*	†	*Rock Island*
Rock Island	William Gladstone Clark	*	†	*Carthage*
Rock Island	Burt Nourse Porter		†	*Moline*
Rock Island	Ogal Hesse Sears	*	†	*Oblong*
St. Clair	Wesley Earl Rutherford	*		*Girard*
St. Clair	James Alfred Tate	*	†	*East St. Louis*
Saline	William Heck Haeser	*		*Pittsfield*
Saline	Victor Elwin Spencer		†	*Lockport*
Saline	Newton Anthony Wright	*	†	*Shelbyville*
Sangamon	Harrison Wiley Derry	*		*Springfield*
Sangamon	John Ryan Jones		†	*Williamsville*
Sangamon	Paul Thomas Robinson	*	†	*Springfield*
Sangamon	Frank Lewis Stout	*		*Glenarm*
Sangamon	Frank Earley Woods	*	†	*Springfield*
Schuyler	Ren W Carr	*		*Armington*
Schuyler	James Chord	*		*Rushville*
Schuyler	Arthur Henry Orcutt		†	*Arcola*
Scott	Robert R Hudelson	*	†	*Chambersburg*

Scott	Carl Ezra Lyman	*		*Maroa*
Scott	Harvey H Mostoller		†	*Bloomington*
Shelby	Randolph Cecil Kastler	*	†	*Chicago*
Shelby	Lester Ward Miner	*	†	*Shelbyville*
Shelby	Roscoe R Snapp		†	*Findley*
Stark	Donald Eugene Currier		†	*Aurora*
Stark	Virgil Samuel Rice	*		*Disco*
Stephenson	Raymond Frank Pfeil	*		*Freeport*
Stephenson	Claire Z Shippy		†	*Freeport*
Stephenson	Clarence Mesbach Shultz	*	†	*Shipman*
Tazewell	Ralph Allen, Jr	*	†	*Delavan*
Tazewell	John Herman Strathman		†	*Pekin*
Union	John Jacob Helm, Jr	*		*Grayville*
Union	Perry Elmer Karraker	*		*Dongola*
Union	William Nathan Leonard		†	*Anna*
Union	Roy Wesley Shuck	*		*Monticello*
Vermilion	McKinley Henderson		†	*Ridge Farm*
Vermilion	Samuel Ney LeNeve	*		*Rossville*
Wabash	Albert Franklin Anderson	*		*Pleasant Plains*
Warren	Fred Henderson	*	†	*Monmouth*
Warren	Lew S Miller		†	*Alexis*
Warren	Wray Garver Watt	*		*Alexis*
Washington	Warren Linley Carson	*		*Oakdale*
Washington	Mark Ament Cooper	*		*Farmingdale*
Washington	Cecil Gordon Scheeler		†	*Sparland*
Wayne	William Purcell Laborence	*		*Pleasant Plains*
Wayne	Glenn Harlow Matteson		†	*Fairfield*
White	Charles Thurman Hufford	*	†	*Herald*
White	Ora McGhee		†	*Norris City*
White	John Frederick Sterenburg	*		*Fulton*
Whiteside	Louis Asa Abbott	*	†	*Morrison*
Whiteside	Charles Leonard Reisner	*	†	*Sterling*
Whiteside	Bert Ludens Sterenberg		†	*Fulton*
Will	Frank Maitland Milne	*	†	*Lockport*
Will	Glenn Wilson Schroeder	*	†	*Joliet*
Will	Charles Albert Sprague		†	*Lockport*
Williamson	Sherman Barker	*	†	*Springfield*
Williamson	Richard J Bean		†	*Hampshire*
Williamson	John Lynde Neely	*	†	*Sewald*
Winnebago	Wilford Espin Johns	*	†	*Rockford*
Winnebago	Evans Sherwood Kern	*	†	*Rockford*
Winnebago	Edna Verne Perry		†	*Joliet*
Winnebago	Roger Thomas Welsh		†	*Rockford*
Woodford	Benjamin H Stubblefield		†	*Bloomington*

SCHOLARSHIPS IN HOUSEHOLD SCIENCE

Adams	Gladys Loreen Beverlin		†	*Urbana*
Alexander	Clara Vesta Lewis	*	†	*Cairo*
Alexander	Louise Laura Lewis	*	†	*Cairo*
Alexander	Frances Marie Rutenber		†	*Champaign*
Bond	Helen Beulah Clarke	*	†	*Urbana*
Bond	Elizabeth Johanna Clausen	*	†	*Chicago*
Bond	Carrie Isabel Needham	*	†	*Urbana*
Bond	Elsie Judith Streed		†	*Waukegan*
Boone	Marie Alma Gordan	*		*Urbana*
Boone	Ruth Leona Grissom	*	†	*Armington*
Boone	Anna Ellen Sager		†	*Belvidere*
Brown	Mabel Helen Gibson	*	†	*Woodstock*
Bureau	Nellie Hastings	*		*Chicago*

Bureau	Carrie May Pervier	*	†	*Sheffield*
Calhoun	Tessie Elizabeth Trowbridge	*	†	*Green Valley*
Carroll	Grace Adelaide Havens		†	*Chicago*
Carroll	Bertha Henrietta Strauch	*	†	*Chadwick*
Cass	Blanche Margaret Smith	*	†	*Urbana*
Champaign	Ethel Mae Baird	*	†	*Urbana*
Champaign	Helen Beatrice Gere	*	†	*Urbana*
Champaign	Edith Edna McKinzie	*		*Urbana*
Christian	Alice Elizabeth Baines	*	†	*Urbana*
Christian	Laura Marie Sanders	*	†	*Pana*
Clark	Edna Augusta Jacobs	*	†	*Urbana*
Clark	Minnie Lucile Needham		†	*Urbana*
Clay	Naomi Olive Newburn	*	†	*Urbana*
Clay	Eva Lillian Larson		†	*Chicago*
Clinton	Helen Myra Percival	*	†	*Urbana*
Coles	Frances Grant	*		*Charleston*
Cook—				
1st District	Nellie Ruth Kirkpatrick	*	†	*Chicago*
1st District	Katherine G MacIntyre		†	*Chicago*
2nd District	Sarah Louise Aleshire	*	†	*Chicago*
2nd District	Mabel Florence Bebb	*	†	*Chicago*
2nd District	Jeanne Guernsey		†	*Chicago*
2nd District	Alice Mead	*		*Chicago*
3rd District	Alice Alexander Allen		†	*Chicago*
3rd District	Grace Clark Armstrong	*		*Washington Heights*
3rd District	Margaret Dorothy Hill	*	†	*Chicago*
3rd District	Olive May Mattson	*		*Englewood*
4th District	Josephine Louise Bessems	*		*Chicago*
4th District	Sarah Helen Myers	*	†	*Chicago*
4th District	Winifred May Supple		†	*Chicago*
5th District	Isabel Enslow	*		*Chicago*
5th District	Grace Margaret McGarry		†	*Chicago*
6th District	Helen Bell Comstock		†	*LaGrange*
6th District	Ruth Robbins		†	*Congress Park*
6th District	Ida Mae Shotwell	*	†	*Evanston*
6th District	Mabel Clara Wallace	*	†	*LaGrange*
7th District	Florence Frances Kendall		†	*Chicago*
7th District	Marie Arnold Oliver	*	†	*Maywood*
7th District	Sarah Adelia Vial	*		*LaGrange*
8th District	Catharine Melvina Planck	*	†	*Chicago*
8th District	Hazel Emma Taylor	*	†	*Chicago*
8th District	Laura May Willie		†	*Urbana*
9th District	Marie Pauline Cline	*		*Chicago*
9th District	Marguerite Helen Costello	*	†	*Austin*
9th District	Gladys Lone Moss		†	*Chicago*
10th District	Winifred Blake	*	†	*Maywood*
10th District	Margaret Fannie Leach		†	*Rogers Park*
Crawford	Erma Dorothy Roberts	*	†	*Chicago*
Crawford	Francelia Stuenkel		†	*Monee*
Cumberland	Florence Mildred Smith	*	†	*Chicago*
DeKalb	Beatrice Barker	*	†	*Chicago*
DeKalb	Julia Frances Tear	*		*Chicago*
DeWitt	Nellie Mae Hartsock	*	†	*Clinton*
DeWitt	Lorena Lucille Lawrence		†	*Urbana*
Douglas	Nellie Elizabeth Barrick	*	†	*Villa Grove*
Douglas	Grace Edna Royce	*		*Naperville*
Douglas	Myra Marie Wilkinson		†	*Tuscola*
DuPage	Josephine Kennedy	*		*Wheaton*
DuPage	Clair Lillian Kienzle	*	†	*St. Joseph*
Edgar	Hazel Augusta		†	*Paris*

Edgar	Mildred Olive Hess	*		*Hinsdale*
Franklin	Elsie Orena Boyles		†	*Ewing*
Gallatin	Ethel Brown Davis		†	*Pesotum*
Green	Lora Belle Moulton	*		*White Hall*
Hamilton	Lillian May King	*	†	*Plymouth*
Henderson	Ruth Glasgow	*		*Tennessee*
Iroquois	Jessie Blanche Rothgeb	*	†	*Wellington*
Jackson	Alma Faye Philbrook	*		*Onarga*
Jersey	Elsie Margaret McMahan		†	*Jerseyville*
Jo Daviess	Ada Eleanor Hunt	*	†	*Ridott*
Jo Daviess	Hazel M Shultz		†	*Stockton*
Johnson	Roberta Brown	*	†	*Ashton*
Johnson	Julia Louise Eriksen		†	*Urbana*
Kane	Alice Amelia Bumstead	*	†	*Dundee*
Kane	Helen Ruth Dewey		†	*Aurora*
Kane	Mary Helen Dobson	*		*Elburn*
Kankakee	Clara Gladys Cronk	*	†	*Aurora*
Kendall	Dorothy Holmes Glover	*	†	*Aurora*
Kendall	Pearl M Manley		†	*Yorkville*
Kendall	Franc Ella Shreffler	*		*Kankakee*
Knox	Leila Jean Pollard	*	†	*St. Charles*
Knox	Lottie Emily Steele		†	*Galesburg*
Lake	Helen Richards Garnett	*		*Highland Park*
LaSalle	Clara Carney		†	*Marseilles*
LaSalle	Isabel Clegg	*	†	*Ottawa*
LaSalle	Gertrude Louise Elliott	*	†	*Tonica*
Lawrence	Ada Lillian Baldwin	*		*Dixon*
Lawrence	Emma Eugenie Schaller	*	†	*Mendota*
Lawrence	Lida Ellen Watson		†	*Abingdon*
Lee	Alice Margaret Dietzer		†	*LaGrange*
Lee	Henrietta Cora Emma Miller	*		*Dixon*
Livingston	Geneva Mae Bane	*	†	*Pontiac*
Livingston	Juliet Lita Bane		†	*Pontiac*
Livingston	Olivetta McKee	*	†	*Fairbury*
Livingston	Clarence Edgar Ping		†	*Springfield*
Logan	Ora Lucille Miller	*	†	*Atlanta*
Logan	Doris Adda Osborne	*		*Woodstock*
McDonough	Grace Glasgow	*		*Tennessee*
McDonough	Ada Roberts Pugh	*	†	*Blandinsville*
McHenry	Elizabeth Romona Lauer	*		*Sublette*
McLean	Eleanor Coen	*		*Normal*
McLean	Mary Elsie Gildersleeve		†	*Hudson*
McLean	Ethel Imogene Salisbury	*		*Woodstock*
Macon	Marie Freeman		†	*Decatur*
Madison	Irma Ada Latzer	*		*Highland*
Madison	Edith Anett Tonsor		†	*Alton*
Marion	Sara Blanche Elizabeth Cartwright	*	†	*Upper Alton*
Marion	Elsie Spear		†	*Rock Falls*
Marshall	Myrtle Adelaide Grigsby	*		*Edwardsville*
Mercer	Juanita Noble		†	*Viola*
Montgomery	Clara Mabel Attebery	*	†	*Hillsboro*
Morgan	Eva Lena Blair	*	†	*Arthur*
Moultrie	Fay Helen Bicknell	*	†	*Lovington*
Ogle	Rena Anderson	*	†	*Polo*
Peoria	Delia Wycoff		†	*Peoria*
Perry	Myrtle McEvoy		†	*Peoria*
Piatt	Emma Margaret Fahrnkopf	*	†	*Ivesdale*
Piatt	Nellie Irene McClurg	*	†	*Urbana*
Putnam	Anna Belle Robinson	*	†	*Granville*
Randolph	Josephine Gemmill		†	*Joliet*

Rock Island	Byrdie Butzer		†	*Hillsdale*
Saline	Martha Harriet DuBois		†	*Colorado*
Sangamon	Bessie Christopher	*	†	*Auburn*
Sangamon	Olive Victoria Reiger	*		*Springfield*
Sangamon	Dorothy Sue Rinaker		†	*Springfield*
Stephenson	Florence Jennie Hunt		†	*Ridott*
Tazewell	Florence Mary Conibear		†	*Morton*
Vermilion	Marcia Hatton		†	*Vermilion*
Vermilion	Hazel Elizabeth Hinshaw	*	†	*Ridgefarm*
Wabash	Elma Fearheiley		†	*Mt. Carmel*
Wabash	Pearl Haxlette Goben	*	†	*Danville*
Wayne	Mrs. Mabel Ellen Towns	*		*Macomb*
White	Hallie Austin		†	*Norris City*
White	Carrie Elsie Hoskins	*	†	*Carmi*
Whiteside	Maude Bull		†	*Union Grove*
Whiteside	Luella Florence Powers	*		*Sterling*
Will	Cornelia Grace Mather	*	†	*Plainfield*
Will	Minnie Isabel Milne		†	*Lockport*
Will	Elizabeth Elsie Sprague	*	†	*Lockport*
Williamson	Marguerite Dodds	*	†	*Joliet*
Williamson	Helen Sinclair Morrison		†	*Joliet*
Winnebago	Edith Mae Elmendorf	*	†	*Morrison*
Winnebago	Elizabeth Fruin	*	†	*El Paso*
Winnebago	Gertrude Taylor	*		*Aurora*
Woodford	Gretchen Schiffbauer		†	*Benson*
Woodford	Mabel Gladys Stone	*		*Morrison*

SCHOLARSHIPS IN CERAMICS

Adams	Howard Clinton Arnold	*	†	*Chicago*
Alexander	George Francis Bissell	*	†	*Winnetka*
Bond	John William Dammers	*	†	*Chicago*
Boone	Ralph Raymond Danielson	*	†	*Chicago*
Brown	Donald Kenneth Morrison	*	†	*Kenilworth*
Bureau	Emil Joseph Anderle	*	†	*Chicago*
Calhoun	Harry G Schurecht	*	†	*Chicago*
Champaign	Raymond Harvey Wilkins	*		*Champaign*
Cook	Sven Cyril Linder		†	*Chicago*
Cook	Kimball Valentine Root	*	†	*Kenilworth*
DeKalb	William Ambrose Piper		†	*Sycamore*
Fulton	Walter Leonard Howat		†	*Canton*
Grundy	George Marvin Schaulin		†	*Mazon*
Hancock	Otis LeRoy Wood		†	*Hamilton*
Iroquois	William George Mouch	*		*Milford*
Kane	Charles Martin Roefer	*	†	*Elgin*
LaSalle	Thomas Lyle Boys	*		*Streator*
McHenry	Fred Hill		†	*Harvard*
White	Ivan Arvel Elliott		†	*Crossville*
Winnebago	Howard Ross Kirk	*		*Rockford*

SCHOLARSHIPS IN LAW

DeWitt Billman	*		*East St. Louis*
Wilford Moran Doherty	*	†	*St. Charles*
Edward Louis Eagle	*	†	*Streator*
Chester Harold Farthing		†	*Odin*
William Dudley Paul Farthing		†	*Odin*
Harold Everett Huber		†	*Urbana*
John Larimer Kagy	*		*Salem*
Harry Clay Moore		†	*Mattoon*

Glenn Ratcliffe		†	*Greenup*
LeRoy Stewart	*		*Ava*
Samuel Matthew Thompson	*		*Harrisburg*
Chesley Matthew Walter	*		*Savanna*
Charles Wham		†	*Cartter*
Louis Andrew Zearing	*		*Princeton*

FILIPINO SCHOLARSHIPS

1910-1911-1912

Valentine Confesor	*	†	*Cabatuan, Iloilo*
Doroteo Jalandoni		†	*Jaro, Iloilo*
Jose Ledesma Jalandoni	*	†	*Jaro, Iloilo*
Pedro Lavadra		†	*Papanghan*
Vincente Ylazan Orosa	*		*Batangas*
Mariano Virgilio Osmena	*		*Cebu*

SUMMARY OF SCHOLARSHIPS

	1910-11	1911-12
County	195	188
General Assembly	163	156
Agricultural	224	229
Household Science	102	119
Ceramics	13	16
Law	8	8
Filipino	4	4
Total	709	720

SUMMARY OF STUDENTS

College and Course	*Seniors* *Men*	*Wom.*	*T'l.*	*Juniors* *Men*	*Wom.*	*T'l.*	*Sophomores* *Men*	*Wom.*	*T'l.*
LITERATURE AND ARTS									
General L. and A.	37	81	118	55	82	137	48	89	137
Business	20	....	20	32	1	33	56	....	56
Household Science	....	9	9	....	9	9	....	16	16
Totals	57	90	147	87	92	179	104	105	209
SCIENCE									
General Science	25	13	38	14	6	20	18	5	23
Ceramics	3	....	3	3	....	3	4	....	4
Ceramic Engineer	3	....	3	2	....	2	3	....	3
Chemistry	5	....	5	8	....	8	6	....	6
Chemical Engineer	8	....	8	7	....	7	18	....	18
Medical Prep.	5	1	6	14	....	14	9	....	9
Household Science	....	2	2	....	3	3	....	7	7
Totals	49	16	65	48	9	57	58	12	70
TOTALS, ARTS & SCIENCE	106	106	212	135	101	236	162	117	279
ENGINEERING									
Architecture	24	....	24	28	....	28	54	....	54
Arch. Engineering	15	....	15	25	....	25	32	....	32
Civil Engineering	76	....	76	55	....	55	96	....	96
Elec. Engineering	55	....	55	72	....	72	87	....	87
Mech. Engineering	47	....	47	53	....	53	71	....	71
Mining Engineering	1	....	1	1	....	1	9	....	9
Mun. & San. Engin.	6	....	6	6	....	6	5	....	5
Rlwy. Civil Engin.	7	....	7	6	....	6	6	....	6
Railway Elec. Engin.	2	....	2	10	....	10	3	....	3
Rlwy. Mech. Engin.	4	....	4	3	....	3	3	....	3
Totals	237	....	237	259	....	259	366	....	366
AGRICULTURE									
General Agricul.	62	....	62	81	....	81	147	....	147
Household Science	....	6	6	....	14	14	....	19	19
Totals	62	6	68	81	14	95	147	19	166
MUSIC	1	....	1	....	3	3	....	14	14
TOTALS, UNDERGRADUATES AT URBANA	406	112	518	475	118	593	675	150	825
	Fourth Year *Men*	*Wom.*	*T'l.*	*Third Year* *Men*	*Wom.*	*T'l.*	*Second Year* *Men*	*Wom.*	*T'l.*
LAW				37	....	37	47	....	47
LIBRARY SCIENCE							1	16	17
TOTALS, UNDERGRADUATES AND PROFESSIONAL SCHOOLS AT URBANA									
GRADUATE SCHOOL									
SUMMER SESSION (1910)									
Total registration									
Deduct									
Net total									
TOTALS AT URBANA									
MEDICINE	91	7	98	135	15	150	121	9	130
DENTISTRY				53	1	54	36	4	40
PHARMACY									
Ph.G. Course							45	....	45
Ph.C. Course							8	....	8
Total									
TOTAL IN CHICAGO									
TOTAL IN UNIVERSITY									
ACADEMY									
TOTAL IN UNIVERSITY AND ACADEMY									

1910-1911

Freshmen			Specials			TOTALS					
Men	Wom.	T'l.	Men	Wom.	T'l.	Men		Women		Total	
90	91	181	6	22	28	236		365		601	
80	5	85	4	....	4	192		6		198	
....	28	28	....	1	1	....		63		63	
170	124	294	10	23	33		428		434		862
26	11	37	3	1	4	86		36		122	
13	....	13	....	....	....	23		....		23	
7	....	7	1	....	1	16		....		16	
12	....	12	....	....	....	31		....		31	
28	....	28	....	....	....	61		....		61	
41	....	41	1	....	1	70		1		71	
....	9	9	....	3	3	....		24		24	
127	20	147	5	4	9		287		61		348
297	144	441	15	27	42		715		495		1210
64	....	64	7	....	7	177		....		177	
31	....	31	3	....	3	106		....		106	
74	....	74	6	....	6	307		....		307	
104	....	104	2	....	2	320		....		320	
96	....	96	4	....	4	271		....		271	
8	....	8	....	....	....	19		....		19	
4	....	4	1	....	1	22		....		22	
2	....	2	....	....	....	21		....		21	
3	....	3	1	....	1	19		....		19	
2	....	2	....	....	....	12		....		12	
388	....	388	24	....	24		1274				1274
202	1	203	137	1	138	629		2		631	
....	36	36	....	6	6	....		81		81	
202	37	239	137	7	144		629		83		712
2	14	16	4	47	51		7		78		85
889	195	1084	180	81	261		2625		656		3281
First Year			Specials			TOTALS					
Men	Wom.	T'l.	Men	Wom.	T'l.	Men		Women		Total	
56	....	56	15	....	15	155		....		155	
....	23	23	....	1	1	1		40		41	
							2781		696		3477
							259		57		316
						463		214		677	
						289		84		373	
							174		130		304
							3214		883		4097
116	7	123	17	....	17	480		38		518	
42	....	42	4	....	4	135		5		140	
53	1	54	47	1	48	145		2		147	
3	....	3	....	....	....	11		....		11	
						156		2		158	
							771		45		816
							3985		928		4913
							237		67		304
							4222		995		5217

SUMMARY OF STUDENTS

College and Course	*Seniors* *Men*	*Wom.*	*T'l.*	*Juniors* *Men*	*Wom.*	*T'l.*	*Sophomores* *Men*	*Wom.*	*T'l.*
LITERATURE AND ARTS									
General L and A.	32	60	92	34	61	95	41	51	92
Business	35	....	35	33	....	33	37	2	39
Household Science	....	10	10	....	5	5	....	27	27
Totals	67	70	137	67	66	133	78	80	158
SCIENCE									
General Science	20	7	27	12	4	16	14	5	19
Ceramics	2	....	2	3	....	3	8	....	8
Ceramic Engineering	3	....	3	5	....	5	2	....	2
Chemistry	7	....	7	6	....	6	3	....	3
Chemical Engineering	11	....	11	15	....	15	15	....	15
Medical Prep.	4	....	4	7	....	7	12	....	12
Household Science	....	3	3	....	7	7	....	7	7
Totals	47	10	57	48	11	59	54	12	66
TOTALS ARTS AND SCIENCE	114	80	194	115	77	192	132	92	224
ENGINEERING									
Architecture	16	....	16	25	....	25	37	....	37
Arch. Engin.	18	....	18	19	....	19	27	....	27
Civil Engin.	41	....	41	50	....	50	56	....	56
Electr. Engin.	41	....	41	67	....	67	62	....	62
Mech. Engin.	29	....	29	32	....	32	76	....	76
Mining Engin.	1	....	1	5	....	5	7	....	7
Mun. & San. Engin.	4	....	4	5	....	5	6	....	6
Railway Civ. Engin.	6	....	6	5	....	5	2	....	2
Railway Elec. Engin.	4	....	4	1	....	1	1	....	1
Railway Mech. Engin.	3	....	3	2	....	2	....	....	....
Totals	163	....	163	211	....	211	274	....	274
AGRICULTURE									
General Agric.	52	....	52	91	....	91	120	....	120
Household Science	....	11	11	....	8	8	....	14	14
Totals	52	11	63	91	8	99	120	14	134
MUSIC	....	2	2	....	4	4	....	6	6
TOTALS, UNDERGRADUATES AT URBANA									
	Fourth Year *Men*	*Wom.*	*T'l.*	*Third Year* *Men*	*Wom.*	*T'l.*	*Second Year* *Men*	*Wom.*	*T'l.*
LAW				28	....	28	28	....	28
LIBRARY SCIENCE							....	14	14
TOTALS, UNDERGRADUATE AND PROFESSIONAL SCHOOLS AT URBANA									
GRADUATE SCHOOL									
SUMMER SESSION (1911)									
TOTAL REGISTRATION									
Deduct									
Net total									
TOTALS AT URBANA									
MEDICINE	135	14	149	119	8	127	106	4	110
DENTISTRY				42	5	47	35	1	36
PHARMACY									
Ph.G. Course							34	1	35
Ph.C. Course							1	....	1
Total							35	1	36
TOTAL IN CHICAGO									
TOTAL IN UNIVERSITY TO FEB. 10, 1912									

1911-1912

Freshmen			Specials			TOTALS					
Men	Wom.	T'l.	Men	Wom.	T'l.	Men		Women		Total	
37	169	306	6	11	17	250		352		602	
07	1	108	3	----	3	215		3		218	
----	45	45	----	----	----	----		87		87	
44	215	459	9	11	20		465		442		907
51	9	60	4	2	6	101		27		128	
16	----	16	----	----	----	29		----		29	
6	----	6	----	----	----	16		----		16	
21	----	21	----	----	----	37		----		37	
25	----	25	----	----	----	66		----		66	
43	----	43	1	----	1	67		----		67	
----	28	28	----	----	----	----		45		45	
62	37	199	5	2	7		316		72		388
06	252	658	14	13	27		781		514		1295
110	2	112	3	—	3	191		2		193	
61	----	61	----	----	----	125		----		125	
24	----	124	4	----	4	275		----		275	
136	----	136	1	----	1	307		----		307	
54	----	154	5	----	5	296		----		296	
9	----	9	----	----	----	22		----		22	
13	----	13	1	----	1	29		----		29	
6	----	6	----	----	----	19		----		19	
3	----	3	----	----	----	9		----		9	
7	----	7	----	----	----	12		----		12	
23	2	625	14	----	14		1285		2		1287
07	1	308	135	4	139	705		5		710	
----	62	62	----	5	5	----		100		100	
07	63	370	135	9	144		705		105		810
4	34	38	2	28	30		6		74		80
						2777		695		3472	
First Year			Specials								
Men	Wom.	T'l.	Men	Wom.	T'l.						
53	----	53	13	----	13		122		----		122
1	24	25	----	1	1		1		39		40
							2900		734		3634
							~~259~~		57		~~316~~ -32
						417		230		647	
						220		70		290	
							197		160		357
							3356		951		4307
115	10	125	25	1	26	500		37		537	
43	1	44	----	----	----	~~118~~ 120		~~7~~ 5		125	
87	2	89	67	1	68	188		4		192	
4	----	4	1	----	1	6		----		6	
91	2	93	68	1	69	194		4		198	
							81~~2~~4		4~~8~~6		860
							~~4168~~6		99~~9~~7		5167
							4170				

SUMMARY OF DEGREES 1911

HONORARY DEGREES			
LL.D.	1		
D.Eng.	1		
Total			2
DEGREES IN THE GRADUATE SCHOOL			
A.M.	53		
M.S.	24		
C.E.	8		
E.E.	5		
M.E.	4		
Ph.D.	11		
Total		105	
BACCALAUREATE DEGREES			
A.B., College of Literature and Arts	148		
A.B., College of Science	41		
B.S., College of Science	17		
B.S., College of Engineering	202		
B.S., College of Agriculture	52		
B.Mus., School of Music	1		
Total		461	
DEGREES IN LAW			
LL.B.	20		
J.D.	1		
Total		21	
DEGREES IN LIBRARY SCIENCE			
B.L.S.		13	
Total, Colleges and Schools in Urbana			600
DEGREES IN MEDICINE			
M.D.		94	
DEGREES IN DENTISTRY			
D.D.S.		48	
DEGREES IN PHARMACY			
Ph.G.	49		
Ph.C.	5		
Total		54	
Total, Departments in Chicago			196
Total, All Departments			798

UNIVERSITY HONORS

1910-1911

Awarded by the Faculty of the University for Scholarship

COLLEGE OF LITERATURE AND ARTS

PRELIMINARY HONORS

Louis Allen
Julia Minnette Barber
Lucy Center Bradrick
Maud Eva Dickinson
Henry Elisha Gaddis
Jessie Fay Miller
Mabel Lucile Miller
Harry Rugle Mirick
Arthur Hook Ogle
Pearl Iola Ropp
Edith Irene Sendenburgh
Margaret Katherine Theilen
Harwell Cloud Thompson
Lulu Hazel Williams

FINAL HONORS

Ruth Mitchell Burns
Philena Clarke
Rose Grahame Fleming
Nellie Magruder Gleason
Edward August Theodore Kircher
Mabel Alma Knight
George Bratten Lear
Jessie McHarry
Eve Lyle McIntyre
Laurence Hursh Miles
Lloyd Morey
Mary Katharine Mourning
Bella Selma Turk

COLLEGE OF SCIENCE

PRELIMINARY HONORS

Clarence Herbert Belknap
Juanita Elizabeth Darrah
Edward Anton Glenz
Eugene Hendricks Leslie
Irving Randolph Ruby
Mabel Elizabeth Thorne

FINAL HONORS

John William Eck
Bernice Ford
Edith Irene Hatch
Arthur Gibson Vestal
Mattie Agnes York
James Zetek

SPECIAL HONORS

Bernice Ford, *in Botany*
Ralph Edgar Brown, *in Ceramics*
Oliver Kamm, *in Chemistry*
Arthur Gibson Vestal, *in Zoology*

COLLEGE OF ENGINEERING

PRELIMINARY HONORS

Williams Orus Andrews
Paul Theodor Bock
Alex Rudolph Brandner
Francis Henri Bulot
Edwin Ray Coolidge
Frank Christian Fentz
Gustav George Fornoff
Albert Stevens Fry
Charles Owens Guernsey
Lawrence Melville Hall
Charles Rush Horrell
Roger Charles Kirchhoff
Everett Samuel Lee
Frank Xavier Loeffler
Charles Babcock McGrew
Howard Matthews

George William Mayes
Ralph U Nicholls
Edward Ernest Redderson
Frank Charles Rohrbough
William Clifford Sadler
Frank Thomas Sheets
Frank Vennum Stipp
Glenn H. Stough
Marcus Prevost Taylor
James Marion Wheelan, Jr
Lyman Gage Wheeler
Harry A Wiersema
William Sidney Wolfe

FINAL HONORS

George B Allen
Arvid Robert Anderson
Will Carleton Caldwell
Arthur Barrett Dunham
Willard Clark Eells
Arthur Ludvig Enger
Fred John Foersterling
John George Haeffner
Ralph Snyder Hatch
Henry Richardson Helmle
Ernest Arthur Herrcke
Herbert Kay Humphrey
Charles Harrison Knowles
Clarence John Levey
Edward Roy Ludwig
Mayne Seguine Mason
Thomas Merritt Pittman, Jr
George Pillsbury Sawyer
Jack Addison Scanlan
Edward John Schell
Engel Bert Van De Greyn

SPECIAL HONORS

Arvid Robert Anderson

COLLEGE OF AGRICULTURE

PRELIMINARY HONORS

Maurice Robert Bebb
Arthur Maxwell Brunson
Wilbur Jerome Carmichael
George Edward Gentle
Clair Edwards Hay
Isora Lee
Charles Bovett Sayre
Elmer Roberts
Everett Harvey Taylor

FINAL HONORS

Charles Francis Ferris
Forrest Adison Fisher
James Lewis Gardner
William Edward Hart
Charles Howard Snow

COLLEGE OF LAW

PRELIMINARY HONORS

Everett Leslie Dalbey
William Dudley Paul Farthing
Harry C Moore

FINAL HONORS

LeRoy Stewart
Samuel Matthew Thompson, A.B.

LIBRARY SCHOOL

FINAL HONORS

Carrie Cade Patton, A.B.

MILITARY HONORS

COMMISSIONS AS BREVET CAPTAINS, ILLINOIS NATIONAL GUARD, ISSUED BY THE GOVERNOR IN 1911

William Herbert Almy
Elmer Frederick Blakeslee
Laurence Vreeland Burton
Willard Russell Camp
George Owen Cogswell
Arthur Ludvig Enger
James Phillips Fellows
John Delavan Frazee
William Edward Hart
Elmer Franklin Heater
Henry Richardson Helmle
Ernest Arthur Herrcke
William Ellsworth Hicks
Andrew Soren Karkow
Edward August Theodore Kircher
Paul Kircher
Otis Hoit Lee
Earle Robinson Math
Gustav Henry Mueller
Jacob William Myers
Arthur Edwin Randall
Chester Otis Reed
John Tyndale Russell
William Bristol Slaughter
Frank Lewis Stout
Perry Weston Swern
Oscar William Rudolph Wanderer
Arthur Wayne Wheeler
Leigh Francis Zerbee
James Zetek

REPORTED TO THE ADJUTANT GENERAL, UNITED STATES ARMY, AS DISTINGUISHED CADETS

Perry Weston Swern
Frank Lewis Stout
Henry Richardson Helmle
Ernest Arthur Herrcke
Oscar William Rudolph Wanderer
Merlin Clay Aleshire
Leigh Francis Zerbee
Arthur Edwin Randall
James Zetek
Paul Kircher

ROSTER OF OFFICERS AND NON-COMMISSIONED OFFICERS OF THE UNIVERSITY CORPS OF CADETS, 1911-12

FIELD AND STAFF

Colonel	Paul Kircher
Lieutenant Colonel	H. B. Hull
Captain and Regimental Adjutant	V. R. Sladek
Captain and Regimental Quartermaster	R. C. Scott
Captain and Regimental Commissary	A. L. Israel
Regimental Sergeant Major	W. F. Fielder
Regimental Quartermaster Sergeant	H. Burger
Regimental Commissary Sergeant	C. S. Hill
Regimental Color Sergeant	V. H. Cartwright
Regimental Color Sergeant	

FIRST BATTALION

Major	L. H. Graves
First Lieutenant and Adjutant	E. H. Leslie
Second Lieutenant and Quartermaster	C. B. McGrew
Sergeant Major	E. H. Berry

Company "A"

Captain,	R. D. Ingalls
1st Lieut.,	L. B. Ermiling
2nd Lieut.,	J. M. Schneider
1st Sergt.,	W. J. Aplington
Sergeants,	H. T. Barber
	W. G. Broehl
	W. V. Fackler
	F. J. Giehler
	G. G. Kirk
	H. Rondthaler

Company "B"

Captain,	K. Bebb
1st Lieut.,	I. R. Ruby
2nd Lieut.,	A. W. Davis
1st Sergt.,	R. T. Reilly
Sergeants,	F. H. Bergland
	C. S. Wyant
	P. W. Scates
	A. W. Baumgarten
	N. Saperston
	A. D. Hawley

Company "C"

Captain,	J. R. Wells
1st Lieut.,	P. E. Buck
2nd Lieut.,	C. A. Wold
1st Sergt,	J. W. Herndon
Sergeants,	B. H. Blake
	S. T. Claflin
	J. Cutler
	O. V. Seed
	A. F. Barron
	O. F. Foster

Company "D"

Captain,	A. B. Van Deusen
1st Lieut.,	W. K. Palmer
2nd Lieut.,	A. L. Epstein
1st Sergt.,	A. C. Strong
Sergeants,	M. S. Hanes
	L. S. Morrill
	H. S. L. Stafford
	W. B. Porterfield
	W. A. Breining
	R. S. Simons

SECOND BATTALION

Major .... H. T. Leo
First Lieutenant and Adjutant.................. H. C. Hohman
Second Lieutenant and Quartermaster.......... C. A. Schoessel
Sergeant Major .... H. Hosmer

Company "A"

Captain,	W. C. Berkemeyer
1st Lieut.,	R. C. Kirchhoff
2nd Lieut.,	L. C. Barber
1st Sergt.,	P. B. Root
Sergeants,	L. A. Kibbe
	J. J. Pitts
	A. S. Mann
	F. C. Slater
	F. J. Prout
	H. D. Clayberg

Company "B"

Captain,	E. G. Hoeppner
1st Lieut.,	J. F. Kohout
2nd Lieut.,	W. J. Carmichael
1st Sergt.,	R. M. Bailie
Sergeants,	H. P. Vandercook
	L. H. A. Buschmann
	W. L. Griffin
	C. L. Malaise
	R. E. Mitchell

Company "C"

Captain,	L. V. Schundner
1st Lieut.,	N. C. Ice
2nd Lieut.,	H. F. Doerr
1st Sergt.,	H. Devine
Sergeants,	A. M. Allyn
	G. B. Hopkins
	H. M. Butt
	S. L. Stebbins
	H. V. Stephenson
	W. E. Bow

Company "D"

Captain,	S. G. Martin
1st Lieut.,	L. A. Boettiger
2nd Lieut.,	F. X. Loeffler
1st Sergt.,	J. C. Palmer
Sergeants,	H. J. Norem
	E. L. Hasker
	L. A. Triggs
	A. A. Binder
	P. V. Strehlow
	E. K. Augustus

THIRD BATTALION

Major .... L. M. Matthews
First Lieutenant and Adjutant.................. H. C. Thompson
Second Lieutenant and Quartermaster.......... E. F. Holt
Sergeant Major .... H. E. Howes

Company "A"

Captain,	L. M. Apgar
1st Lieut.,	C. R. Horrell
2nd Lieut.,	H. C. Osman

Company "B"

Captain,	W. C. Voss
1st Lieut,	M. L. Nebel
2nd Lieut.,	E. R. Coolidge

1st Sergt.,	L. W. Miner
Sergeants,	H. E. Codlin
	W. M. Sheldon
	L. J. Conboy
	C. S. Mulvaney
	M. A. Buttonmaker
	E. R. Suter

1st Sergt.,	H. Bargh
Sergeants,	G. V. Carrier
	R. W. Owens
	P. C. Rich
	D. D. Tibbetts
	C. Velzy
	H. G. Woods

Company "C"

Captain,	W. G. Clark
1st Lieut.,	C. L. Walduck
2nd Lieut.,	E. A. Glenz
1st Sergt.,	E. C. Prouty
Sergeants,	C. H. Thompson
	H. H. Henline
	H. R. Warren
	J. R. Colbert
	C. R. Gridley
	V. H. Warfield

Company "D"

Captain,	H. C. Krannert
1st Lieut.,	R. U. Nichols
2nd Lieut.,	H. N. Powell
1st Sergt.,	F. S. Stroheker
Sergeants,	M. G. Benjamin
	P. F. Cooper
	H. P. Ousley
	O. Roman
	D. E. Warren
	J. B. Zook

Fourth Battalion

Major	A. W. Abbott
First Lieutenant and Adjutant	J. F. Brown
Second Lieutenant and Quartermaster	R. B. Moir
Sergeant Major	C. H. Westcott

Company "A"

Captain,	L. E. Dallenbach
1st Lieut.,	W. O. Andrews
2nd Lieut.,	M. P. Taylor
1st Sergt.,	F. A. Kopf
Sergeants,	F. Van Doren
	E. H. Morgan
	G. H. Cole
	E. M. Lurie
	A. L. Williams
	C. Richardson

Company "B"

Captain,	F. E. Sweitzer
1st Lieut.,	H. D. Valentine
2nd Lieut.,	E. M. Clark
1st Sergt.,	T. Dieckmann
Sergeants,	R. W. Lippe
	J. E. Lewis
	E. H. Parkins
	E. A. Doisey
	N. L. Partridge
	W. H. Scales

Company "C"

Captain,	W. V. Ingram
1st Lieut.,	N. C. Seidenberg
2nd Lieut.,	G. W. Porter
1st Sergt.,	I. S. Stinson
Sergeants,	R. L. Smith
	K. B. Bush
	C. A. Clark
	C. W. Warriner
	D. M. Riff
	W. J. Blum

Company "D"

Captain,	W. R. McIntire
1st Lieut.,	C. Thayer
2nd Lieut.,	F. M. Atkinson
1st Sergt.,	G. Meyer
Sergeants,	H. L. Bauer
	H. W. Benjamin
	J. W. Park
	H. S. Tressell
	H. S. Mueller
	A. S. Harbour

Signal Company

Captain,	G. D. Bagley
1st Lieut.,	C. W. Gates
2nd Lieut.,	L. A. Dole
1st Sergt.,	E. F. Noth
Sergeants,	N. E. Annabell
	H. W. Bye
	L. W. Faulkner
	F. J. Hoffman

Battery

Captain,	E. A. Rich
1st Lieut.,	C. B. Sayre
2nd Lieut.,	J. J. Kurt
1st Sergt.,	J. E. Churchill

ANNUAL COMPETITIVE DRILLS—1911

Winner University Gold Medal..............1st Sergeant H. C. Thompson
Winner Hazelton Gold Medal..............Cadet Private E. K. Augustus

INFANTRY

University Bronze Medals

Company "A" 2nd Battalion, University Regiment

Captain L. F. Zerbee
1st Lieut. L. V. Schundner
2nd Lieut. W. C. Voss
1st Sergt. P. C. Gauger
Sergeant J. M. Schneider
Sergeant W. S. Middleton
Sergeant M. L. Nebel
Sergeant H. F. Doerr
Sergeant M. L. Becker
Corporal J. M. Bergeson
Corporal E. H. Berry
Corporal P. R. Croll
Corporal R. W. Cutshall
Corporal H. E. Gaddis
Corporal R. W. Marten
Corporal A. M. Waggoner
Lance Corporal R. H. Speck
Lance Corporal W. J. Aplington
Lance Corporal G. H. Cole
Lance Corporal M. G. Gabler
Lance Corporal J. W. Park
Lance Corporal G. L. Severson
Lance Corporal G. W. Schroeder
Lance Corporal G. M. Sparks
Private B. Abney
Private A. M. Allyn
Private C. E. Anschicks
Private R. H. Bacon
Private J. W. Bailey
Private W. H. Bennett
Private M. C. Booze
Private L. T. Boyd
Private I. R. Carter
Private G. Christy
Private H. R. Cochran
Private I. A. Dixon
Private W. C. Disosway
Private A. V. Essington
Private S. A. Gay
Private R. S. Geraghty
Private H. L. Henrickson
Private H. W. Heywood
Private W. B. Hodgins
Private G. B. Hopkins
Private H. Hosmer
Private R. A. Kane
Private R. J. Lyons
Private W. D. Mathis
Private H. W. Maxey
Private W. Meyer
Private L. Quisenberry
Private G. W. Robinson
Private F. E. Rodemeyer
Private W. C. Sigerson
Private E. M. Spence
Private L. R. Spencer
Private E. H. Stevenson
Private T. C. Stone
Private G. B. Weber
Private R. R. Welch
Private R. Wells
Private O. B. Wernsing
Private W. H. Woolston
Private R. F. Woodward

ARTILLERY

University Bronze Medals

Captain W. R. Camp
1st Lieut. E. A. Rich
2nd Lieut. W. E. Hart
Sergeant J. J. Kurt
Private J. B. Casserly
Private R. P. Dedlow
Private G. G. Fornoff
Private E. L. Hillman
Private C. B. Jones
Private S. L. Pogue
Private C. Scholl

SIGNAL COMPANY

University Bronze Medals

Sergeant W. R. Matheny
Sergeant E. M. Unzicker
Corporal P. C. Barber
Corporal L. S. Stallings
Private H. A. Amsbury
Private H. Annabel
Private J. B. Andrews
Private H. W. Bye
Private J. W. Davis
Private D. Ferrell
Private L. N. Fisher
Private L. M. Fort
Private R. R. Huddleston
Private J. Kramer
Private H. E. Mann
Private E. Roberts
Private C. A. Skoglund
Private J. G. White
Private E. L. Williamson

INTERCOLLEGIATE DEBATERS

1910-1911

IN THE CENTRAL DEBATING CIRCUIT

Against Minnesota

John Clinton Searle
Louis Andrew Zearing
Chesley Matthew Walter

Against Nebraska

Charles Andrew O'Connor
Robert Johnson Robinson
James Vail Stevenson

IN THE STATE UNIVERSITY DEBATING LEAGUE

Against Ohio State

Arthur Vernon Essington
Frank Bonner Leonard, Jr
John Clinton Searle

Against Indiana

Charles Wham
Arthur Everett Holch
Claude Emanuel Burgener

REPRESENTATIVE IN THE STATE PEACE CONTEST

Harry Maxwell Thrasher

REPRESENTATIVE IN THE NORTHERN ORATORICAL LEAGUE

John Clinton Searle

APPENDIX
THE ACADEMY

(The Academy was discontinued in June, 1911.)

THE ACADEMY

FACULTY, 1910-11

FRANK WATERS THOMAS, A.M., *Principal*

In English—

CELIA ANNE DREW, Ph.B., *English Literature*
GEORGE MERIT PALMER, A.M., *English Literature and Rhetoric*
*AVA D. STEELE, A.M., *English Literature and Rhetoric*
†BERTHA ELIZABETH DENNING, A.B., *English Literature and Rhetoric*

In Mathematics—

HOWARD BAKER KINGSBURY, A.B., *Algebra and Geometry*
SIMEON E. BOOMER, A.B., *Algebra and Geometry*
S. JAMES BOLE, A.B., *Algebra and Geometry*

In Foreign Language—

GEORGE NELSON TREMPER, A.B., *Latin and Greek*
MARGARET ANNIE SCOTT, *French and German*

In History—

MILTON WINFIELD THOMPSON, A.B., *English History, Civics, and Economics*
FRANCES MILTON MOREHOUSE, A.B., *Ancient, Modern, and American History*

In Commerce—

ARTHUR S. LANGMAS, A.B., *Bookkeeping, Commercial Geography, and Physiography*

In Science—

CLAUDE WILLIAMSON SANDIFUR, A.M., *Physics*
JOHN PHILO GILBERT, A.M., *Biology*
DANIEL OTIS BARTO, B.S., *Agriculture*
NELLE MAJOR DICKINSON, B.S., *Household Science*

In Music—

MARY ELIZABETH LAFLIN, B.Mus., *Piano*

---

* Resigned at the end of the first semester.
† Appointed for the second semester.

ACADEMY STUDENTS

1910-1911

Aitken, Alice	*Fulton*
Aitken, Isabel	*Fulton*
Albin, Harold Cornelius	*Washington, D. C.*
Amidon, James William	*Herscher*
Anderson, John Henning	*Rock Island*
Anderson, Walter Sigfrid	*Rock Island*
Arnold, Rufus Earl	*Buck, N. D.*
Aschauer, Frank Henry	*Springfield*
Ashwill, Raymond Morris	*Toledo*
Austin, Hallie	*Norris City*
Auth, Verne J	*Ivesdale*
Avey, Fred	*Leroy*
Bacon, Gilbert Kyle	*Chicago*
Baie, Arthur A	*Hinckley*
Barger, L V	*Danville*
Barth, Edward	*Pana*
Bassett, Richard Harry	*Champaign*
Beal, Glen Irving	*Brazil, Ind.*
Benefield, Edaline	*Harrisburg*
Bennett, Edward Martin	*Chicago*
Berge, Maurice Aurelius	*Ransom*
Bernstein, Simeon Lewis	*Chicago*
Bigelow, Oliver Martin	*Albany*
Bloom, Carl Wilfred	*Omaha, Neb.*
Boiselle, Ray	*Harsington, Kans.*
Boley, Roy Edward	*Olney*
Born, Russell	*Champaign*
Bouchard, Albert Hawthorne	*Oak Park*
Boyden, William Henry	*Willington*
Bradley, Willie Winston	*McComb, Miss.*
Brown, Faith Frances	*Champaign*
Bruner, Crane Simpson	*Urbana*
Buchanon, Drayton	*Chicago*
Buckley, Everett Timothy	*Kilbourne*
Burke, Annebelle	*Urbana*
Burton, Delos	*Toledo*
Caley, Burwell	*Champaign*
Campbell, Charles A	*Summitville, Ind.*
Campbell, Charles Edgar	*Bingham*
Campbell, Lee F	*Marissa*
Cardiff, John Lewis	*Ogden*
Carroll, Lee Joseph	*Chicago*
Casey, Sylvia Nellie	*Woodstock*
Castle, Lloyd	*Urbana*
Castle, Ora Blanche	*Urbana*
Christ, Charles Edward	*Cabery*
Christopher, Mabel	*Urbana*
Clyman, David	*Chicago*
Collins, Lucy Nellie	*Chicago*
Conard, Davis Orr	*Monticello*
Connor, Lloyd	*Champaign*
Corcoran, Melchoir	*Chicago*
Cornelius, Ira	*Marissa*
Cranston, Donald Julius	*Gibson City*
Crawford, Elmer Will	*Danville*
Creighton, Mary	*Urbana*
Crook, Bert	*Prophetstown*

Crouch, E Scott	*Fairbury*
Darden, Jesse	*Memphis, Tenn.*
Dauber, Curtis	*Mascoutah*
Decker, Ben Harrison	*Brazil, Ind.*
Decker, Lloyd Vincent	*Youngsville*
Deininger, Fred August	*Peotone*
DeLong, Mary	*Foosland*
Detering, Oscar Caspar	*St. Louis, Mo.*
Dickey, Wilford Lyle	*Bloomington*
Dickson, Clarence S	*Fithian*
Dobbins, Verne	*Urbana*
Dolan, John James	*Cool Ridge, Pa.*
Donaldson, George R	*Vincennes, Ind.*
Donovan, James Leslie	*Champaign*
Donovan, Nellie C	*Champaign*
Dorman, W E	*Chicago*
Downing, Mac	*Macomb*
Drennan, Roscoe	*Dewey*
Drury, Lydon G Robert	*Albany*
Ellis, George Curtis	*Altamont*
Ellsworth, Edward	*Chicago*
Engel, Paul Ernst	*Chicago*
Engle, Jeanette Morrison	*Urbana*
Engle, Lawrence	*Urbana*
English, Lloyd Hayden	*Chicago*
Eninger, Keith Gurber	*Cisco*
Farnum, Frank F	*Chicago*
Faulkins, George F	*San Jose*
Fedde, Ruthe Catherine	*Peotone*
Felle, Paul Newell	*Champaign*
Fielding, Ethel Ruth	*Champaign*
Flynn, Frank Joseph	*Franklin*
Folgate, Homer Emmett	*McConnell*
Foskett, William Elmer	*Chicago*
Fragoso, Gilberto	*Durango, Mexico*
Funk, Haven Ray	*Millersville*
Gage, Bryon Fremont	*Seneca*
Gangstad, Morton Edgar	*Deerfield, Wis.*
Garrison, Russell Paul	*Wayne City*
Geddes, Allen George	*Fountain Green*
Gehrig, Edward Franklin	*Grant Fork*
Gere, Amy Ruth	*Urbana*
Glassburn, Wayne Francis	*Tampico*
Goodwin, John Hanford	*Ritchey*
Goodwin, Philip Ritchey	*Ritchey*
Gordon, Elizabeth Alice	*Chicago*
Graham, William Marshall	*Champaign*
Granart, Lester	*Hinckley*
Greenawalt, Lester Barnes	*Danville*
Greenman, Ray Philip	*Cincinnati, Ohio*
Gregory, A E	*Michigan City, Ind.*
Grouch, William Stephen	*El Paso, Texas*
Haggard, Fern	*York, Neb.*
Hammel, Francis	*Thomasboro*
Haner, Earl Lewis	*Gilson*
Hanger, Paul	
Hannon, Donald W	*Urbana*
Harris, Arthur Homer	*Mason City*
Harrover, Mary Agatha	*Burlington, Ia.*
Hart, Richard Nelson	*Brighton*

Hassler, Herbert Deveille	*Urbana*
Hauser, Warren Clifford	*Evanston*
Hayes, Frances Eugenia	*Bunker Hill*
Heath, Harold Thayer	*Rockford*
Hecht, August G	*Willston, Mo.*
Hecketsweiler, Roy Thomas	*Rockfeller*
Hein, Mary	*Champaign*
Hein, Mason	*Champaign*
Henn, Hildegard	*Toluca*
Hensley, Howard Clark	*Tallula*
Herndon, Ted Dwight	*Rochester*
Hewins, Melvin Edwin	*Loda*
Hildebrand, Arthur J	*Rockford*
Himstedt, Ralph E	*Boody*
Hinckley, James M	*Du Bois*
Hinebaugh, J Charles	*Mt. Carroll*
Hixon, Wason	*Urbana*
Hogge, John Edwin	*Kansas City, Mo.*
Holson, Juanita	*Farina*
Horn, Charles Frederick	*Crete*
Huff, Marguerite	*Urbana*
Humphrey, Glenn	*Gilman*
Huth, Alfred W	*New Athens*
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Johanning, Nora Bertha	*Champaign*
Johnson, Robert Emery	*Chicago*
Johnson, Roy B	*Chicago*
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Jones, Margaret	*Champaign*
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Keighin, Clarence Byron	*Kempton*
Kelly, Rudolph Lawrence	*Chillicothe*
Kemp, Ralph Garrett	*Urbana*
Kendall, Clinton Dwight	*Champaign*
Kern, John	*Champaign*
Kienzle, Paul Charles	*St. Joseph*
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Kirkwood, Roger	*Lawrenceville*
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Lin, Thian Kit	*Bangkok, Siam*
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Mount, Ernest Earl	*Delavan*
Mount, Paul	*Delavan*
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Moutray, Mary Elizabeth	*Kokomo, Ind.*
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Nelson, Walter Steven	*Chicago*
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O'Brien, Raymond John	*Ivesdale*
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Oliver, Jackson Mark	*Palisade, Colo.*
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Perry, George Sanford	*Chicago*
Phares, Bertha	*St. Joseph*
Phillippe, Zula	*Mahomet*
Phillips, Ralph W	*Mt. Carmel*
Pierce, Cedric Harlan	*Chicago*
Postel, Frederick William	*Mascoutah*
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Primm, James Kelly	*Urbana*
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Riley, Lee Williams	*Urbana*
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Rosenkranz, Mabel	*Paw Paw*
Saffell, Gladys	*Urbana*
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Shank, Herschel Vespasian	*Kane*
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Tolbert, Chauncey Ralph	*Chambersburg*
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Toothaker, Joel E	*Sandoval*
Truman, Fern	*Urbana*
Tuttle, Arthur Laughlin	*Poplar Grove*
Tyler, James Hersey	*Peoria*
Tyson, Lida S	*Jackson, Tenn.*
Vernon, Willett B	*Chicago*
Vinson, Van Earl	*Muncie*
Walker, Robert Weir	*Chambersburg, Pa.*
Ward, Cecilia Blair	*Urbana*
Watts, Ethel Frances	*Champaign*
Watts, George Raymond	*Lawrenceville*
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Wenrick, Harriett	*Homer*
Wernsing, Rudolph	*Greenview*
Wheeler, Russell C	*Champaign*
White, Joe Guthrie	*Marissa*
Whitham, Clyde E	*Amboy*
Wilke, Herman F	*Beecher*
Wilson, Ashbel Ray	*Hutsonville*
Wilson, John Lancaster	*Springfield*
Wisegarver, W Wayne	*Deland*
Woltzen, Edward Henery	*Benson*
Wright, Joseph W	*Champaign*
Zoeckler, Leon John	*Davenport, Iowa*

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